SONY

3-865-324-**E2** (1)

Video Cassette Recorder

Operating Instructions

VHS
PAL NTSC 4.43

Hi-Fi

SHOWVIEW

SLV-SE70NP1/NP2/VC1/VC2
SLV-SX70VC

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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Mains lead must only be changed at a qualified service shop.

Precautions

Safety

- This unit operates on 220 – 240 V AC, 50 Hz. Check that the unit's operating voltage is identical with your local power supply.
- If anything falls into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- The unit is not disconnected from the mains as long as it is connected to the mains, even if the unit itself has been turned off.
- Unplug the unit from the wall outlet if you do not intend to use it for an extended period of time. To disconnect the cord, pull it out by the plug, never by the cord.

Installing

- Allow adequate air circulation to prevent internal heat buildup.
- Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation slots.
- Do not install the unit near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Do not install the unit in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the unit and cassettes away from equipment with strong magnets, such as microwave ovens or large loudspeakers.
- Do not place heavy objects on the unit.
- If the unit is brought directly from a cold to a warm location, moisture may condense inside the VCR and cause damage to the video head and tape. When you first install the unit, or when you move it from a cold to a warm location, wait for about three hours before operating the unit.

Caution

Television programmes, films, video tapes and other materials may be copyrighted. Unauthorized recording of such material may be contrary to the provisions of the copyright laws. Also, use of this recorder with cable television transmission may require authorization from the cable television transmitter and / or programme owner.

Compatible colour systems

This VCR is designed to record using the PAL (B / G) colour system and play back using the PAL (B / G) and NTSC 4.43 colour systems. Recording of video sources based on other colour systems cannot be guaranteed.

Table of contents

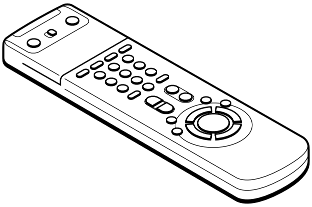
* ShowView is a trademark applied for by Gemstar Development Corp. ShowView system is manufactured under license from Gemstar Development Corporation.

Step 1

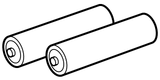
Unpacking

Check that you have received the following items with the VCR:

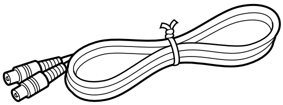
- Remote commander



- R6 (size AA) batteries



- Aerial cable



Checking your model name

The instructions in this manual are for the 5 models: SLV-SE70NP1, SE70NP2, SE70VC1, SE70VC2, and SX70VC. Check your model number by looking at the rear panel of your VCR. The SLV-SE70VC1 is the model used for illustration purposes. Any difference in operation is clearly indicated in the text, for example, “SLV-SE70NP1 only.”

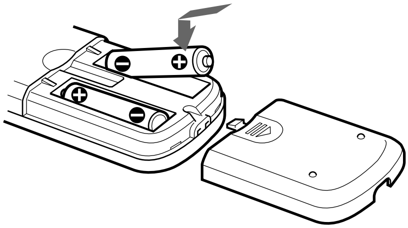
Step 2

Setting up the remote commander

Inserting the batteries

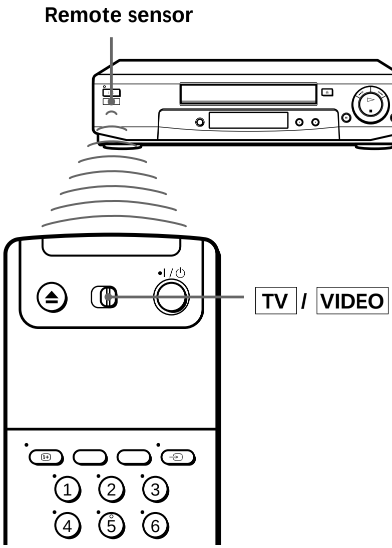
Insert two R6 (size AA) batteries by matching the + and – on the batteries to the diagram inside the battery compartment.

Insert the negative (–) end first, then push in and down until the positive (+) end clicks into position.



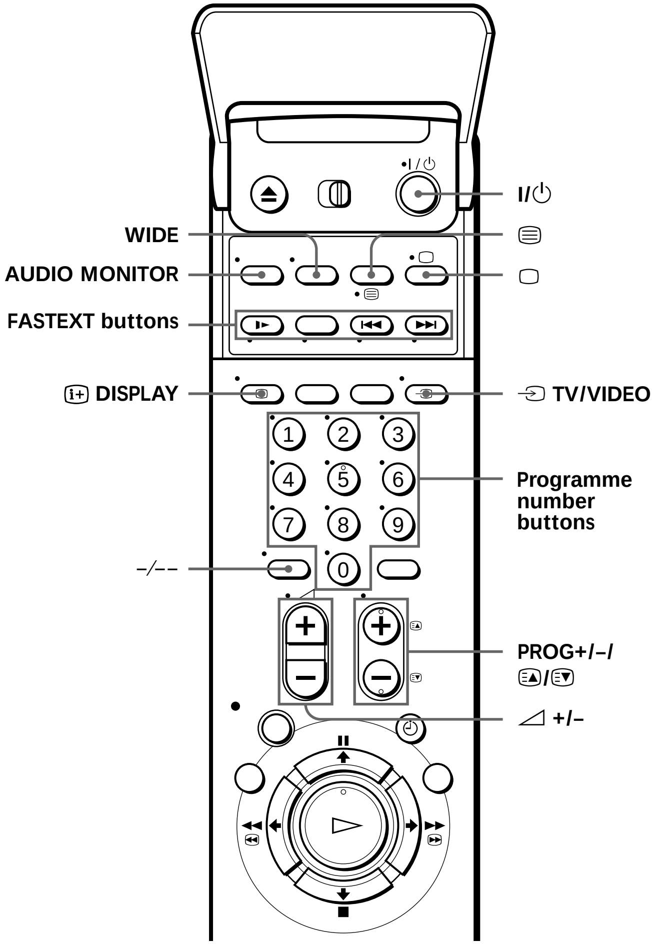
Using the remote commander

You can use this remote commander to operate this VCR and a Sony TV. Buttons on the remote commander marked with a dot (•) can be used to operate your Sony TV. If the TV does not have the Ⓡ symbol near the remote sensor, this remote commander will not operate the TV.



To operate	Set TV / VIDEO to
the VCR	VIDEO and point at the remote sensor on the VCR
a Sony TV	TV and point at the remote sensor on the TV

continued



TV control buttons

To	Press
Turn the TV into standby mode	I/⏻
Select an input source of the TV either from aerial in or from line in	TV / VIDEO
Select the programme position of the TV	Programme number buttons, –/––, PROG +/–
Adjust the volume of the TV	+/–

To	Press
Switch to TV (Teletext off)	▢ (TV)
Switch to Teletext	▤ (Teletext)
Select the sound	AUDIO MONITOR
Use FASTEXT	FASTEXT buttons
Call up on-screen display	i+ DISPLAY
Change the Teletext page	▲/▼
Switch to/from wide mode of a Sony wide TV (For other manufacture's wide TV, see "Controlling other TVs with the remote commander" below.)	WIDE

Notes

- With normal use, the batteries should last about three to six months.
- If you do not use the remote commander for an extended period of time, remove the batteries to avoid possible damage from battery leakage.
- Do not use a new battery with an old one together.
- Do not use different types of batteries together.
- Some buttons may not work with certain Sony TVs.

Controlling other TVs with the remote commander

The remote commander is preprogrammed to control non-Sony TVs. If your TV is listed in the table below, set the appropriate manufacturer's code number.

1 Set TV / VIDEO at the top of the remote commander to TV.

2 Hold down I/⏻, and enter your TV's code number(s) using the programme number buttons. Then release I/⏻.

Now you can use the following TV control buttons to control your TV: I/⏻, TV/VIDEO, programme number buttons, -/-- (ten's digit), PROG +/–, ◿ +/–, ▢ (TV), ▤ (Teletext), FASTEXT buttons, WIDE*, MENU*, ↑*/↓*/←*/→*, and OK*.

* These buttons may not work with all TVs.

Tip

- When you set your TV's code number correctly while the TV is turned on, the TV turns off automatically.

continued

Code numbers of controllable TVs

If more than one code number is listed, try entering them one at a time until you find the one that works with your TV.

To make wide mode settings, see the footnotes below this table for the applicable code numbers.

Manufacturer	Code number
Sony	01*[1], 02
Akai	68
Ferguson	52
Grundig	10*[1], 11*[1]
Hitachi	24
JVC	33
Loewe	45
Mivar	09, 70
NEC	66
Nokia	15, 16, 69*[3]

Manufacturer	Code number
Panasonic	17*[1], 49
Philips	06*[1], 07*[1], 08*[1]
Saba	12, 13
Samsung	22, 23
Sanyo	25
Sharp	29
Telefunken	36
Thomson	43*[2]
Toshiba	38

*[1] Press WIDE to switch the wide picture mode on or off.
*[2] Press WIDE, then press ⊿ +/– to select the wide picture mode you want.
*[3] Press WIDE. The menu appears on the TV screen. Then, press ↑/↓/←/→ to select the wide picture you want and press OK.

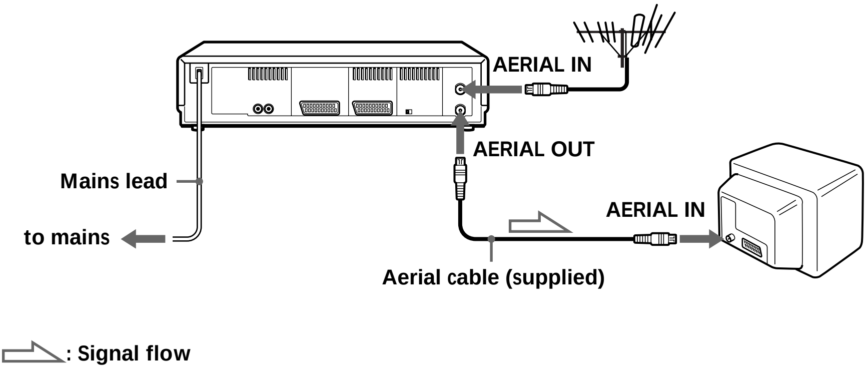
Notes

- If the TV uses a different remote control system from the one programmed to work with the VCR, you cannot control your TV with the remote commander.
- If you enter a new code number, the code number previously entered will be erased.
- When you replace the batteries of the remote commander, the code number may change. Set the appropriate code number every time you replace the batteries.

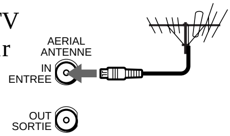
Connecting the VCR

If your TV has a EURO-AV connector, see page 10.

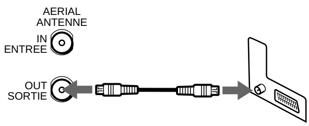
If your TV does not have a EURO-AV (Scart) connector



1 Disconnect the aerial cable from your TV and connect it to AERIAL IN on the rear panel of the VCR.



2 Connect AERIAL OUT of the VCR and the aerial input of your TV using the supplied aerial cable.



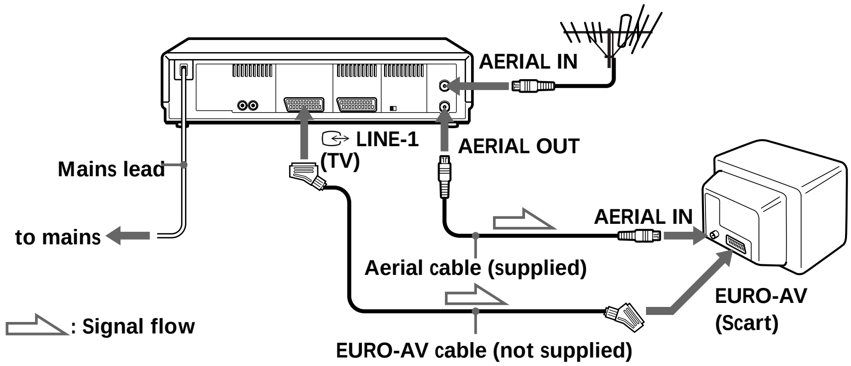
3 Connect the mains lead to the mains.

Note

- When you connect the VCR and your TV only with an aerial cable, you have to set RF MODULATOR in the OPTIONS-2 menu to ON (initial setting) (see page 72).

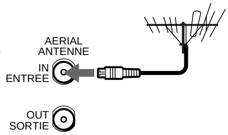
continued

If your TV has a EURO-AV (Scart) connector



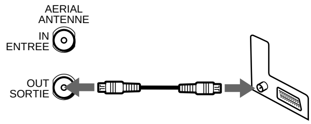
1

Disconnect the aerial cable from your TV and connect it to AERIAL IN on the rear panel of the VCR.



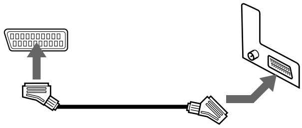
2

Connect AERIAL OUT of the VCR and the aerial input of your TV using the supplied aerial cable.



3 Connect LINE-1 (TV) on the VCR and the EURO-AV (Scart) connector on the TV with the optional EURO-AV cable.

This connection improves picture and sound quality. Whenever you want to watch the VCR picture, press ⇥ TV / VIDEO to display the VIDEO indicator in the display window.



4 Connect the mains lead to the mains.

Note

- If the TV is connected to the LINE-1 (TV) connector, setting the RF MODULATOR in the OPTIONS-2 menu to OFF is recommended. In the OFF position, only the signal from the aerial is output through the AERIAL OUT connector (see page 72). You do not have to tune your TV to the VCR. Skip “Tuning your TV to the VCR” on page 14.

About the SMARTLINK features



If the connected TV complies with SMARTLINK, MEGALOGIC*1, EASYLINK*2, Q-Link*3, or EURO VIEW LINK*4, you can use the SMARTLINK function after you complete the steps on the previous page (the SMARTLINK indicator appears in the VCR’s display window when you turn on the TV). You can enjoy the following SMARTLINK features.

- Preset Download
  You can download your TV tuner preset data to this VCR and tune the VCR according to that data in Auto Set Up. This greatly simplifies the Auto Set Up procedure. Be careful, not to disconnect the cables or exit the Auto Set Up function during the procedure.

  See “Setting up the VCR with the Auto Set Up function” on page 16.

continued

- TV Direct Rec
  You can easily record what you are watching on the TV (other than tapes being played on this VCR). For details, see “Recording what you are watching on the TV (TV Direct Rec)” on page 48.
- One Touch Play
  With One Touch Play, you can start playback automatically without turning on the TV. For details, see “Starting playback automatically with one button (One Touch Play)” on page 43.
- One Touch Menu
  You can turn on the VCR and TV, set the TV to the video channel, and display the VCR’s on-screen display automatically by pressing MENU on the remote commander.
- One Touch Timer
  You can turn on the VCR and TV, set the TV to the video channel, and display the timer recording menu (the TIMER METHOD menu, the TIMER menu, or the SHOWVIEW menu) automatically by pressing ⏲ TIMER on the remote commander.

  You can set which timer recording menu is displayed using TIMER OPTIONS in the OPTIONS-2 menu (see page 72).
- Automatic Power Off
  You can have the VCR turn off automatically, if the VCR is not used after you turn off the TV.

*1 “MEGALOGIC” is a registered trademark of Grundig Corporation.
*2 “EASYLINK” is a trademark of Philips Corporation.
*3 “Q-Link” is a trademark of Panasonic Corporation.
*4 “EURO VIEW LINK” is a trademark of Toshiba Corporation.

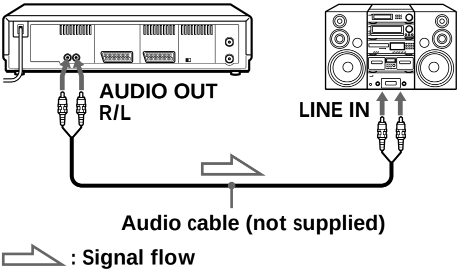
Note

- Not all the TVs respond to the functions above.

Additional connections

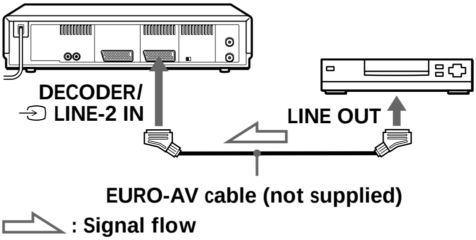
To a stereo system

You can improve sound quality by connecting a stereo system to the AUDIO OUT R/L jacks as shown on the right.



To a satellite tuner

You can watch programmes from the satellite tuner connected to this VCR on the TV even when the VCR is turned off using the Line Through function. When you turn on the satellite tuner, this VCR automatically sends the signal from the satellite tuner to the TV without turning itself on.



1. Connect the satellite tuner to the DECODER/LINE-2 IN connector as shown above.
2. Set DECODER/LINE2 to LINE2 in the OPTIONS-2 menu.
3. Set POWER SAVE to OFF in the OPTIONS-2 menu.
4. Turn off the VCR.

   To watch a satellite programme, turn on the satellite tuner and the TV.

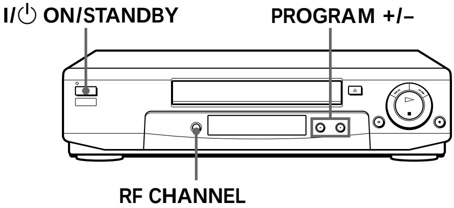
Note

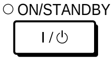
- You cannot watch satellite programmes on the TV while recording unless you record a satellite programme.

Step 4

Tuning your TV to the VCR

If you have connected the VCR to your TV using the EURO-AV cable, skip this step.



1 

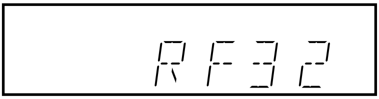
Press I/⏻ ON/STANDBY to turn on the VCR.

2 

Press RF CHANNEL on the VCR lightly.

The factory-preset RF channel appears in the display window.

The VCR signal is output through this channel to the TV.



3

Turn on your TV and select a programme position for the VCR picture.

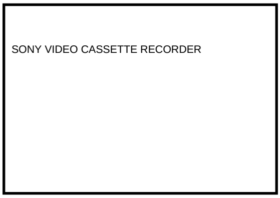
This programme position will now be referred to as the video channel.

4

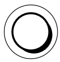
Tune the TV to the same channel as that shown in the display window so that the picture on the right appears clearly on the TV screen.

Refer to your TV manual for tuning instructions.

If the picture does not appear clearly, see “To obtain a clear picture from the VCR” below.



5



Press RF CHANNEL.

You have now tuned your TV to the VCR. Whenever you want to play a tape, set the TV to the video channel.

To check to see if the TV tuning is correct

Set the TV to the video channel and press PROGRAM +/– on the VCR. If the TV screen changes to a different programme each time you press PROGRAM +/–, the TV tuning is correct.

To obtain a clear picture from the VCR

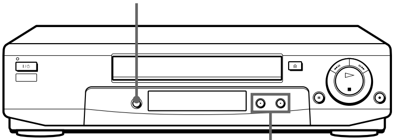
If the screen does not appear clearly in step 4 above, press PROGRAM +/–, so that another RF channel appears. Then tune the TV to the new RF channel until a clear picture appears.

Step 5

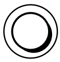
Setting up the VCR with the Auto Set Up function

Before using the VCR for the first time, set up the VCR using the Auto Set Up function. With this function, you can set the language for the on-screen display, TV channels, guide channels for the ShowView system, and VCR clock automatically.

AUTO SET UP

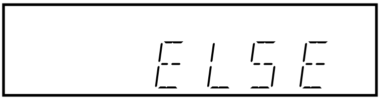


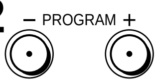
PROGRAM +/–

1 

Hold down AUTO SET UP on the VCR for more than three seconds.

The VCR automatically turns on, and the country abbreviation appears in the display window.



2 

Press PROGRAM +/– to select the abbreviation of your country. For some countries, there is a selection of languages to choose from. The abbreviations of the countries and languages are as follows:

SLV-SE70VC1/SE70VC2/SX70VC

Abbreviation	Country	Language
A	Austria	German
B-D	Belgium	German
B-F	Belgium	French
B-N	Belgium	Dutch
CH-D	Switzerland	German
CH-F	Switzerland	French
CH-I	Switzerland	Italian
D	Germany	German
E	Spain	Spanish
GR	Greece	Greek
I	Italy	Italian
L-D	Luxemburg	German
L-F	Luxemburg	French
NL	Netherlands	Dutch
P	Portugal	Portuguese
ELSE	Other countries	English

SLV-SE70NP1/SE70NP2

Abbreviation	Country	Language
A	Austria	German
B-D	Belgium	German
B-F	Belgium	French
B-N	Belgium	Dutch
CH-D	Switzerland	German
CH-F	Switzerland	French
D	Germany	German
DK	Denmark	Danish
E	Spain	Spanish
L-D	Luxemburg	German
L-F	Luxemburg	French
N	Norway	Danish
NL	Netherlands	Dutch
P	Portugal	Portuguese
S	Sweden	Swedish
SF	Finland	Finnish
ELSE	Other countries	English

If your country does not appear, select ELSE.

continued

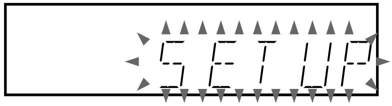
Step 5 : Setting up the VCR with the Auto Set Up function (continued)

3



Press AUTO SET UP lightly.

The VCR starts searching for all of the receivable channels and presets them in the appropriate order for your local area.



If you use the SMARTLINK connection, the Preset Download function starts and the SMARTLINK indicator flashes in the display window during download.

After the search or download is complete, the current time appears in the display window for any stations that transmit a time signal.

To cancel the Auto Set Up function

Press AUTO SET UP.

Tip

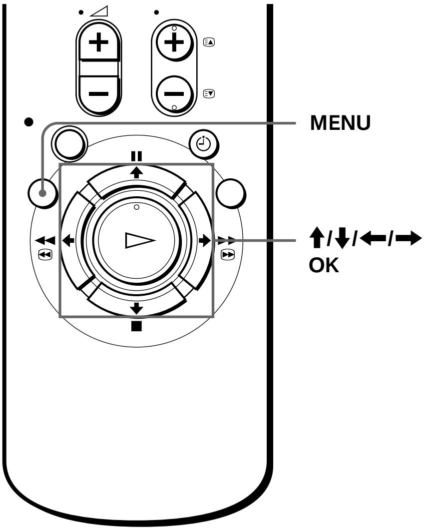
- If you want to change the language for the on-screen display from the one preset in the Auto Set Up function, see page 24.

Note

- Do not cancel the Auto Set Up function during step 3. If you do, repeat the steps above.

Step 6

Setting the clock



You must set the time and date on the VCR to use the timer recording features properly.

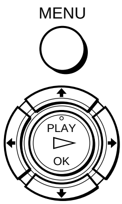
The Auto Clock Set function works only if a station in your area is broadcasting a time signal. If the Auto Set Up function did not set the clock correctly for your local area, try another station for the Auto Clock Set function.

Setting the clock manually

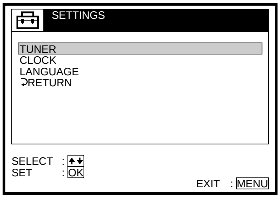
Before you start…

- Turn on the VCR and the TV.
- Set the TV to the video channel.

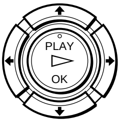
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1 

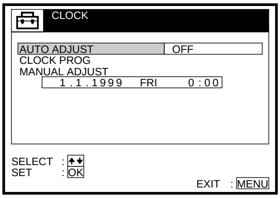
Press MENU, then press ↑/↓ to highlight SETTINGS and press OK.



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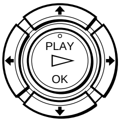
2 

Press ↑/↓ to highlight CLOCK, then press OK.

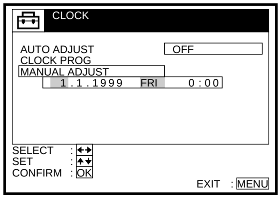


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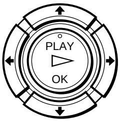
3



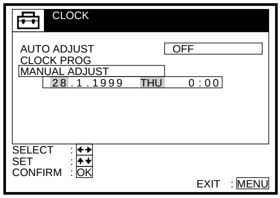
Press ↑/↓ to highlight MANUAL ADJUST, then press OK.



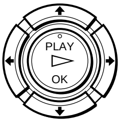
4



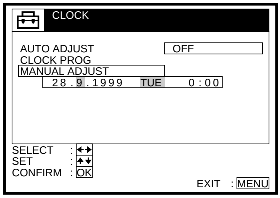
Press ↑/↓ to set the date.



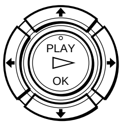
5



Press → to highlight the month and set the month pressing ↑/↓.

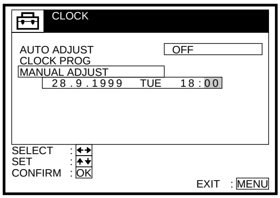


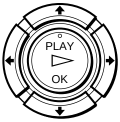
6



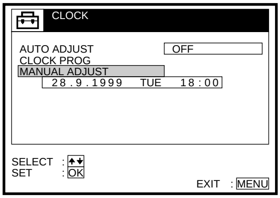
Set the year, hour, and minutes in sequence, pressing → to highlight the item to be set, and press ↑/↓ to select the digits.

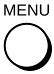
The day of the week is set automatically.



7 

Press OK to start the clock.



8 

Press MENU to exit the menu.

Tips

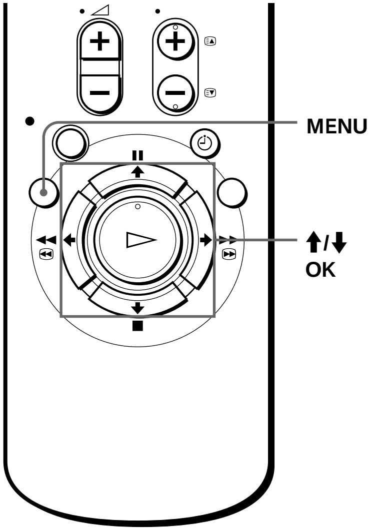
- To change the digits during setting, press ← to return to the item to be changed, and select the digits pressing ↑/↓.
- If you want to return to the previous menu, highlight RETURN and press OK.

Note

- The menu disappears automatically if you don't proceed for more than a few minutes.

continued

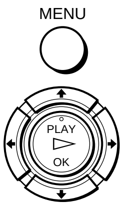
Changing the station for the Auto Clock Set function



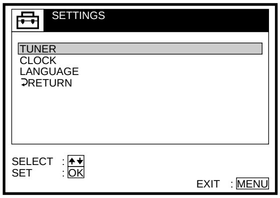
Before you start…

- Turn on the VCR and the TV.
- Set the TV to the video channel.

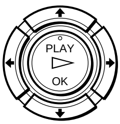
1



Press MENU, then press ↑/↓ to highlight SETTINGS and press OK.

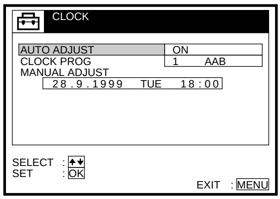


2

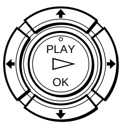


Press ↑/↓ to highlight CLOCK, then press OK.

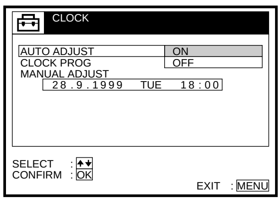
AUTO ADJUST is highlighted.



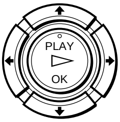
3



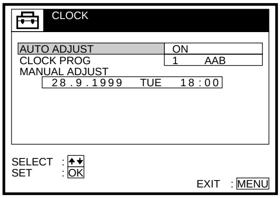
Press OK.



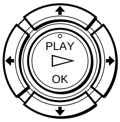
4



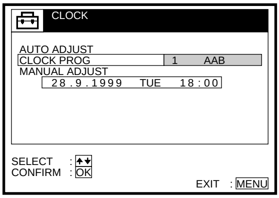
Press ↑/↓ to highlight ON, then press OK.



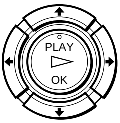
5



Press ↓ to highlight CLOCK PROG, then press OK.

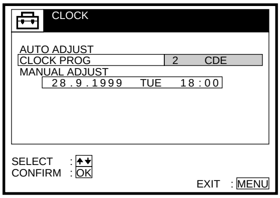


6

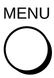


Press ↑/↓ repeatedly until the programme position of the station that carries the time signal appears.

If the VCR does not receive the time signal from any station, AUTO ADJUST returns to OFF automatically.



7



Press MENU to exit the menu.

Tips

- If you set AUTO ADJUST to ON, the Auto Clock Set function is activated whenever the VCR is turned off. The time is adjusted automatically by making reference to the time signal from the station whose programme position is displayed in the "CLOCK PROG" row.

  If you do not need the Auto Clock Set, select OFF.
- If you want to return to the previous menu, highlight RETURN and press OK.

Note

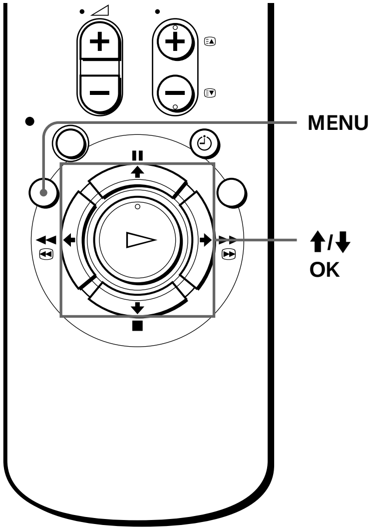
- The menu disappears automatically if you don't proceed for more than a few minutes.

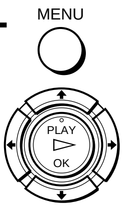
Selecting a language

You can change the on-screen display language from the one you selected with the Auto Set Up function.

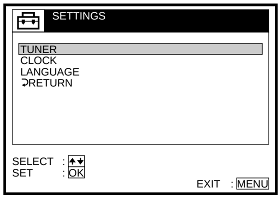
Before you start…

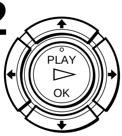
- Turn on the VCR and the TV.
- Set the TV to the video channel.



1 

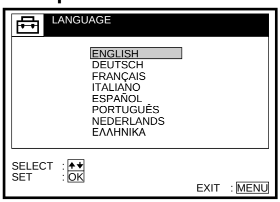
Press MENU, then press ↑/↓ to highlight SETTINGS and press OK.

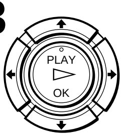


2 

Press ↑/↓ to highlight LANGUAGE, then press OK.

Example: SLV-SE70VC2



3 

Press ↑/↓ to highlight the desired language, then press OK.

4 MENU

Press MENU to exit the menu.

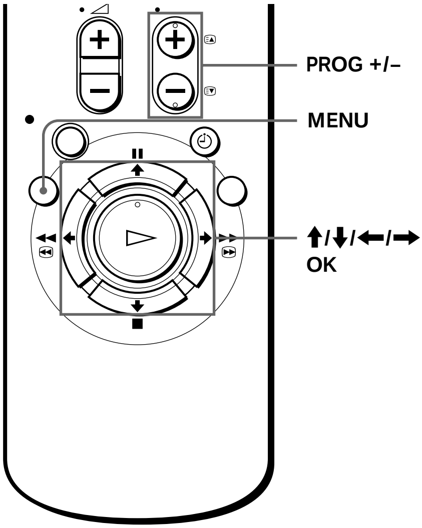
Tip

- If you want to return to the previous menu, highlight RETURN and press OK.

Note

- The menu disappears automatically if you don't proceed for more than a few minutes.

Presetting channels

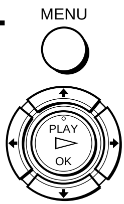


If some channels could not be preset using the Auto Set Up function, you can preset them manually.

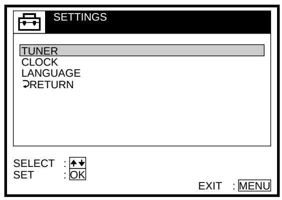
Before you start…

- Turn on the VCR and the TV.
- Set the TV to the video channel.

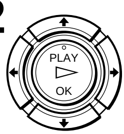
1



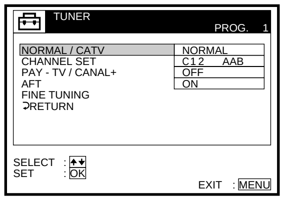
Press MENU, then press ↑/↓ to highlight SETTINGS and press OK.



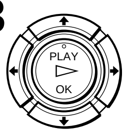
2



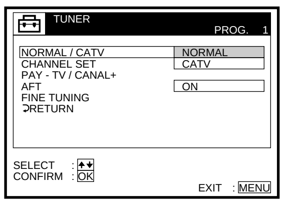
Press ↑/↓ to highlight TUNER, then press OK.



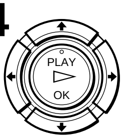
3



Press ↑/↓ to highlight NORMAL / CATV, then press OK.

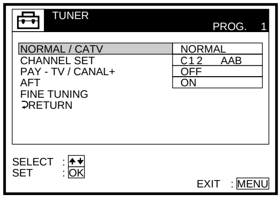


4

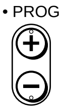


Press ↑/↓ to highlight NORMAL, then press OK.

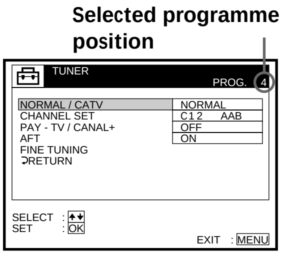
To preset CATV (Cable Television) channels, select CATV.



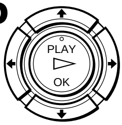
5



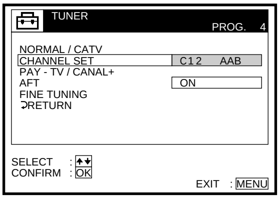
Press PROG +/– to select the programme position.



6

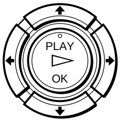


Press ↑/↓ to highlight CHANNEL SET, then press OK.



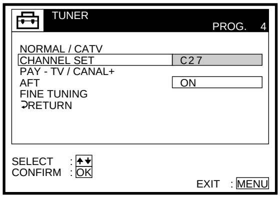
continued

7



Press ⬆/⬇ repeatedly until the channel you want is displayed.

The channels appear in the following order:



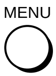
- VHF E2 - E12
- VHF Italian channel A - H
- UHF E21 - E69
- CATV S1 - S20
- HYPER S21 - S41
- CATV S01 - S05

If you know the number of the channel you want, press the programme number buttons. For example, for channel 5, first press “0” and then press “5.”

8

To allocate another channel to another programme position, repeat steps 5 and 7.

9



Press MENU to exit the menu.

Disabling unwanted programme positions

After presetting channels, you can disable unused programme positions. The disabled positions will be skipped later when you press the PROG +/– buttons.

1 In step 7 above, press programme number button “0” twice to display the number “00” beside CHANNEL SET.

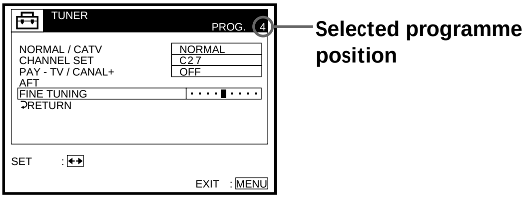
2 Press MENU to exit the menu.

If the picture is not clear

Normally, the Auto Fine Tuning (AFT) function automatically tunes in channels clearly. If, however, the picture is not clear, you may also use the manual tuning function.

1. Press PROG +/– or the programme number buttons to select the programme position for which you cannot obtain a clear picture.
2. Press MENU, then select SETTINGS and press OK.
3. Select TUNER, then press OK.
4. Select FINE TUNING, then press OK.

   The fine tuning meter appears.



5. Press ⇦/⇨ to get a clearer picture, then press MENU to exit the menu.

   Note that the AFT (Auto Fine Tuning) setting switches to OFF.

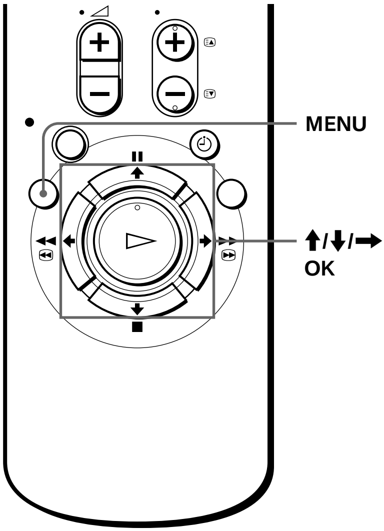
Tip

- If you want to return to the previous menu, highlight RETURN and press OK.

Note

- The menu disappears automatically if you don’t proceed for more than a few minutes.

Changing/ disabling programme positions

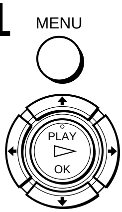


After setting the channels, you can change the programme positions and the station names as you like. If any programme positions are unused or contain unwanted channels, you can disable them.

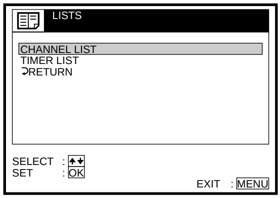
Changing programme positions

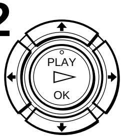
Before you start…

- Turn on the VCR and the TV.
- Set the TV to the video channel.

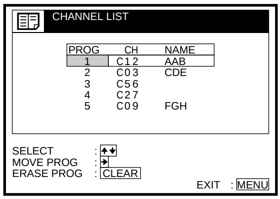
1 

Press MENU, then press ↑/↓ to highlight LISTS and press OK.

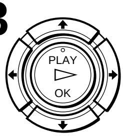


2 

Press ↑/↓ to highlight CHANNEL LIST, then press OK.

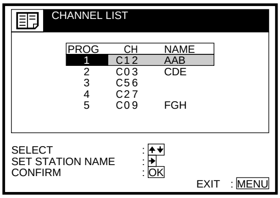


3

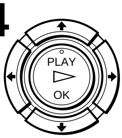


Press ↑/↓ to highlight the row on which you want to change the programme position, then press →.

To display other pages for programme positions 6 to 60, press ↑/↓ repeatedly.

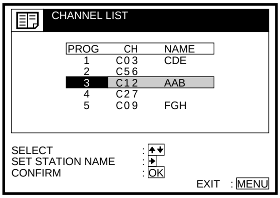


4

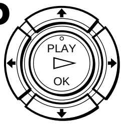


Press ↑/↓ until the selected channel row moves to the desired programme position.

The selected channel is inserted at the new programme position and the intermediate channels are displaced to fill the gap.



5



Press OK to confirm the setting.

6

To change the programme position of another station, repeat steps 3 to 5.

7



Press MENU to exit the menu.

Tip

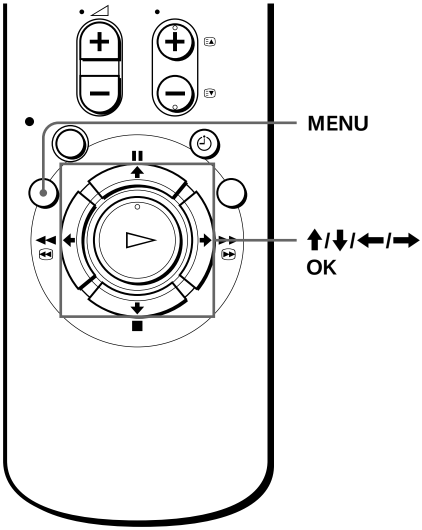
- If you want to return to the previous menu, highlight RETURN and press OK.

Note

- The menu disappears automatically if you don't proceed for more than a few minutes.

continued

Changing the station names

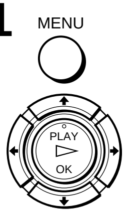


You can change the station names (up to 5 characters).

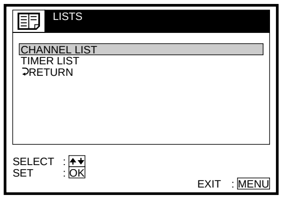
Before you start…

- Turn on the VCR and the TV.
- Set the TV to the video channel.

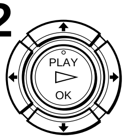
1



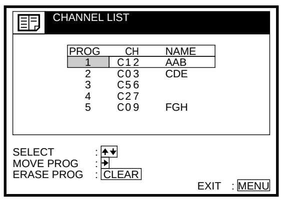
Press MENU, then press ↑/↓ to highlight LISTS and press OK.



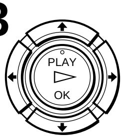
2



Press ↑/↓ to highlight CHANNEL LIST, then press OK.

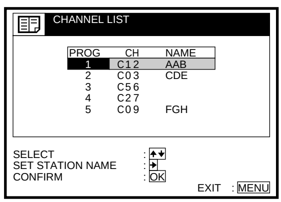


3

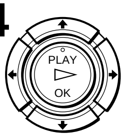


Press ↑/↓ to highlight the row on which you want to change the station name, then press →.

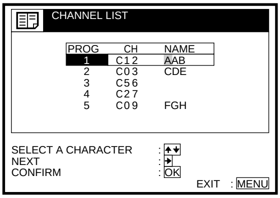
To display other pages for programme positions 6 to 60, press ↑/↓ repeatedly.



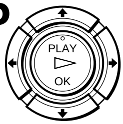
4



Press ➡.

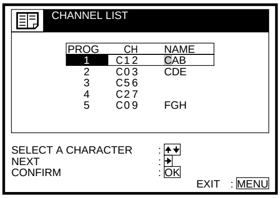


5



Enter the station name.

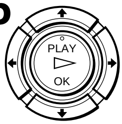
1 Press ⬆/⬇ to select a character.
Each time you press ⬆, the character changes as shown below.
A → B → … → Z → a → b → … → z → 0 → 1 → … → 9 → (symbols) → (blank space) → A



2 Press ➡ to set the next character.
The next space is highlighted.
To correct a character, press ⬅/➡ until the character you want to correct is highlighted, then reset it.

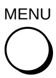
You can set up to 5 characters for the station name.

6



Press OK to confirm the new name.

7



Press MENU to exit the menu.

Tip

- If you want to return to the previous menu, highlight RETURN and press OK.

Note

- The menu disappears automatically if you don't proceed for more than a few minutes.

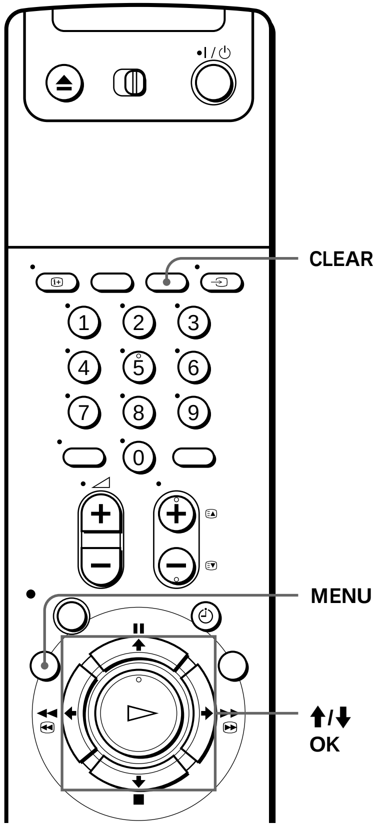
continued

Disabling unwanted programme positions

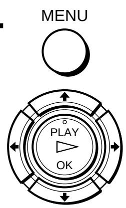
After presetting channels, you can disable unused programme positions. The disabled positions will be skipped later when you press the PROG +/– buttons.

Before you start…

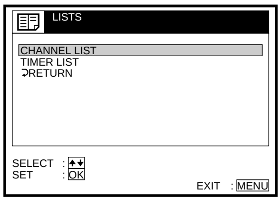
- Turn on the VCR and the TV.
- Set the TV to the video channel.

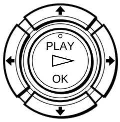


1

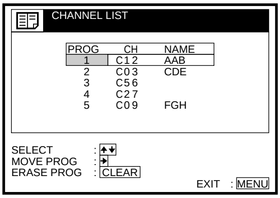


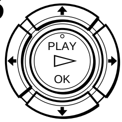
Press MENU, then press ↑/↓ to highlight LISTS, and press OK.



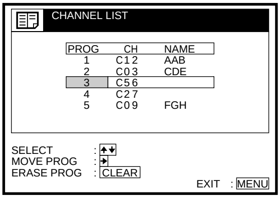
2 

Press ↑/↓ to highlight CHANNEL LIST, then press OK.



3 

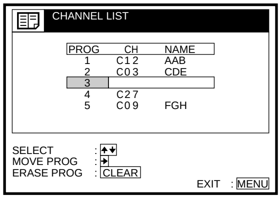
Press ↑/↓ to highlight the row on which you want to disable.



4 CLEAR 

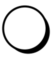
Press CLEAR.

The selected row will be cleared as shown on the right.



5

Repeat steps 3 and 4 for any other programme positions you want to disable.

6 MENU 

Press MENU to exit the menu.

Tip

- If you want to return to the previous menu, highlight RETURN and press OK.

Notes

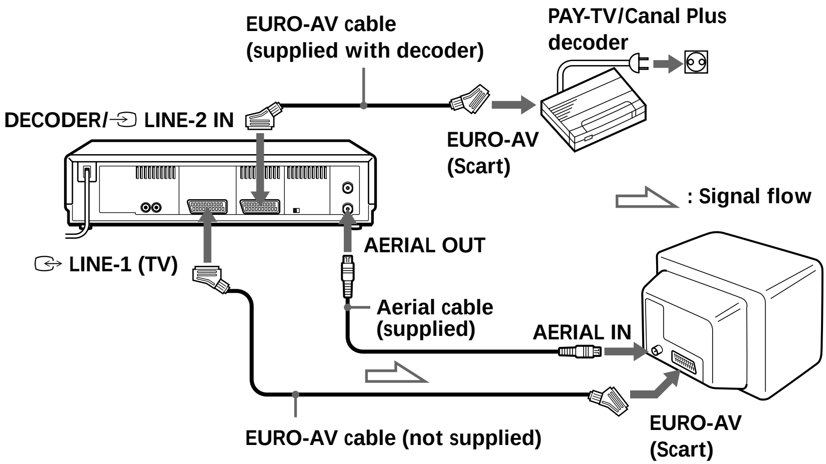
- The menu disappears automatically if you don’t proceed for more than a few minutes.
- Be sure to select the programme position you want to disable correctly. If you disable a programme position by mistake, you need to reset that channel manually.

Getting Started

Setting the PAY-TV/Canal Plus decoder

You can watch or record PAY-TV / Canal Plus programmes if you connect a decoder (not supplied) to the VCR.

Connecting a decoder

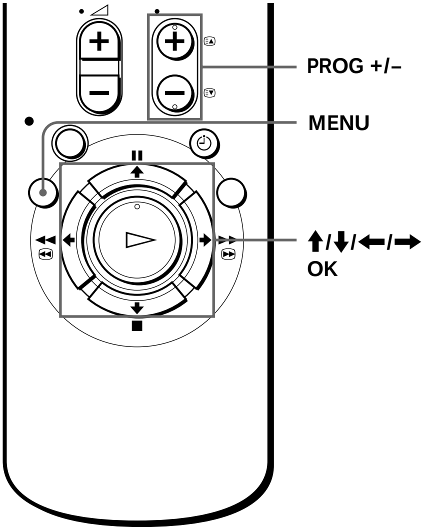


Setting PAY-TV/Canal Plus channels

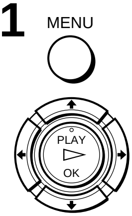
To watch or record PAY-TV / Canal Plus programmes, set your VCR to receive the channels using the on-screen display.

Before you start…

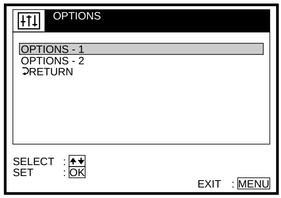
- Turn on the VCR, the TV, and the decoder.
- Set the TV to the video channel.



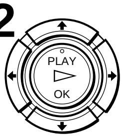
1



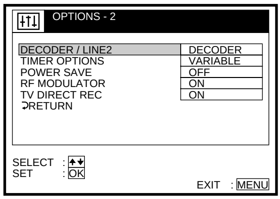
Press MENU, then press ↑/↓ to highlight OPTIONS and press OK.



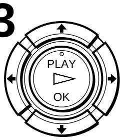
2



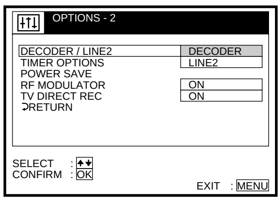
Press ↑/↓ to highlight OPTIONS-2, then press OK.



3



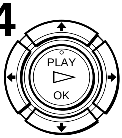
Press ↑/↓ to highlight DECODER / LINE2, then press OK.



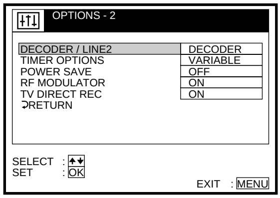
continued

Setting the PAY-TV/Canal Plus decoder (continued)

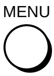
4



Press ↑/↓ to highlight DECODER, then press OK.

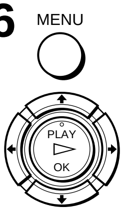


5

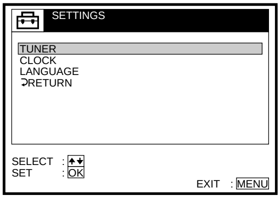


Press MENU to exit the menu.

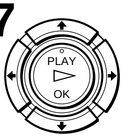
6



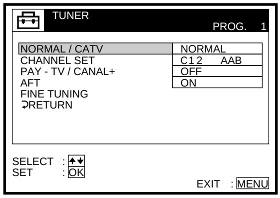
Press MENU, then press ↑/↓ to highlight SETTINGS and press OK.



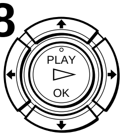
7



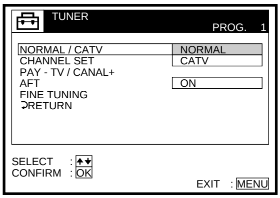
Press ↑/↓ to highlight TUNER, then press OK.

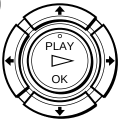


8



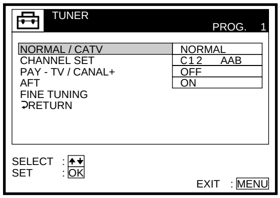
Press ↑/↓ to highlight NORMAL / CATV, then press OK.

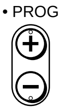


9 

Press ↑/↓ to highlight NORMAL, then press OK.

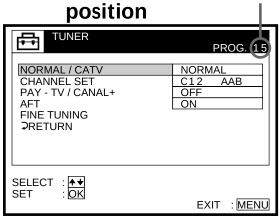
To preset CATV (Cable Television) channels, select CATV.

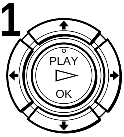


10 

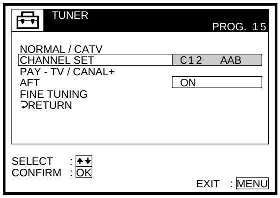
Press PROG +/– to select the desired programme position.

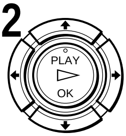
Selected programme position



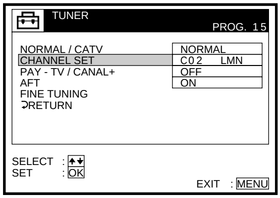
11 

Press ↑/↓ to highlight CHANNEL SET, then press OK.



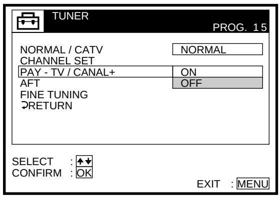
12 

Press ↑/↓ to select the PAY-TV / Canal Plus channels, then press OK.



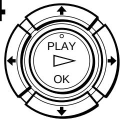
13 

Press ↑/↓ to highlight PAY-TV / CANAL+, then press OK.

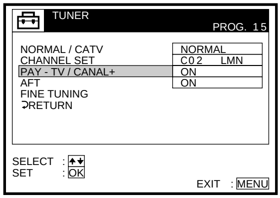


continued

14

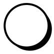


Press ↑/↓ to highlight ON, then press OK.



15

MENU



Press MENU to exit the menu.

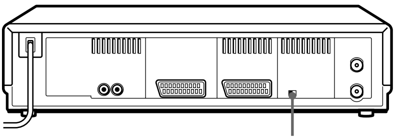
Tip

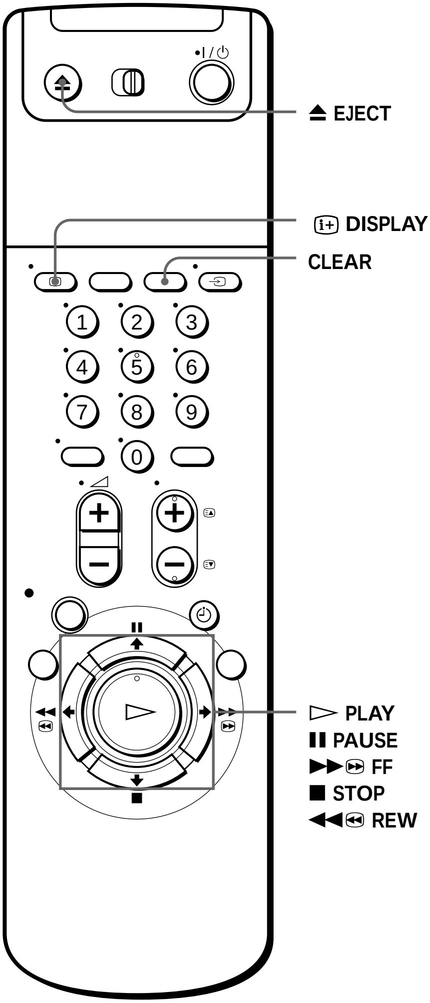
- If you want to return to the previous menu, highlight RETURN and press OK.

Notes

- The menu disappears automatically if you don't proceed for more than a few minutes.
- To superimpose subtitles while watching PAY-TV / Canal Plus programmes, make both decoder-VCR and VCR-TV connections using 21-pin EURO-AV cables that are compatible with the RGB signals. You cannot record subtitles on the VCR.
- When you watch PAY-TV / Canal Plus programmes using the RFU input of the TV, press ⇥ TV / VIDEO so that the VIDEO indicator appears in the display window.

Playing a tape

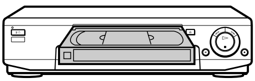




1 Turn on your TV and set it to the video channel.

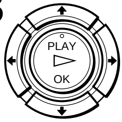
2 Insert a tape.

The VCR turns on and starts playing automatically if you insert a tape with its safety tab removed.



continued

3



Press ▷ PLAY.

When the tape reaches the end, it will rewind automatically.

Additional tasks

To	Press
Stop play	■ STOP
Pause play	❚❚ PAUSE
Resume play after pause	❚❚ PAUSE or ▷ PLAY
Fast-forward the tape	▶▶ FF during stop
Rewind the tape	◀◀ REW during stop
Eject the tape	⏏ EJECT

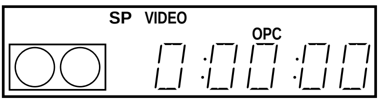
To play an NTSC-recorded tape

Set NTSC PB at the rear of the VCR according to the colour system of your TV.

When your TV is	Set NTSC PB to
PAL only	ON PAL TV
PAL and NTSC	NTSC 4.43

To use the time counter

At the point on the tape that you want to find later, press CLEAR. The counter in the display window resets to “0:00:00.” Search for the point afterwards by referring to the counter.



To display the counter on the TV screen, press ⓘ DISPLAY.

Notes

- The counter resets to "0:00:00" whenever a tape is reinserted.
- The counter stops counting when it comes to a portion with no recording.
- The time counter does not appear on the TV screen when using an NTSC-recorded tape.
- Depending on your TV, the following may occur while playing an NTSC-recorded tape:
  – The picture becomes black and white.
  – The picture shakes.
  – No picture appears on the TV screen.
  – Black streaks appear horizontally on the TV screen.
  – The colour density increases or decreases.
- If you play back a tape in LP or EP mode with NTSC system, the sound is heard in monaural.
- While setting the menu on the TV screen, buttons for playback on the remote commander do not function.

Starting playback automatically with one button (One Touch Play)

If you use the SMARTLINK connection, you can turn on the VCR and the TV, set the TV to the video channel, and start playback automatically with one button.

1 Insert a tape.

The VCR automatically turns on.

If you insert a tape with its safety tab removed, the TV turns on and switches to the video channel. Playback starts automatically.

2 Press ▷ PLAY.

The TV turns on and switches to the video channel automatically. Playback starts.

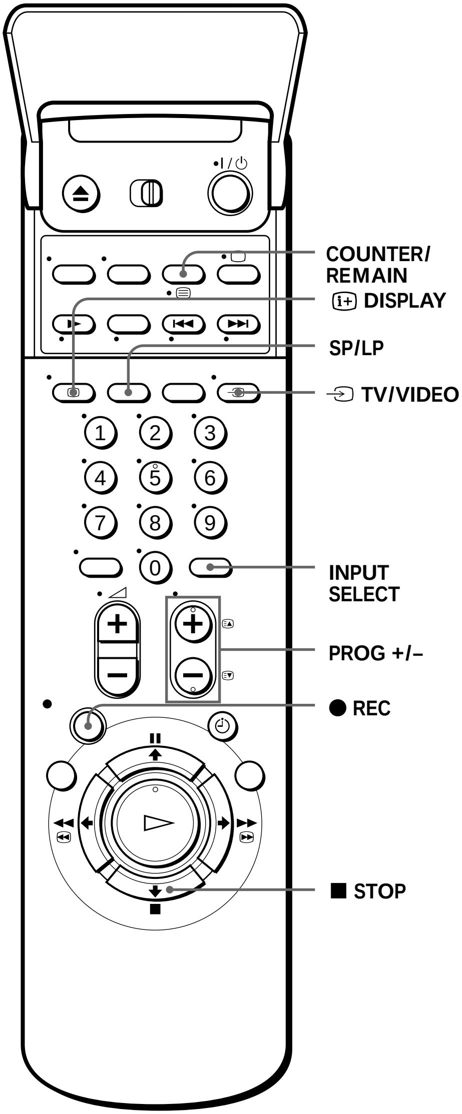
Tip

- When there already is a tape in the VCR, the VCR and the TV turn on, the TV is set to the video channel, and playback starts automatically in one sequence when you press ▷ PLAY.

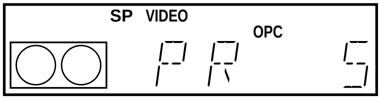
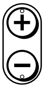
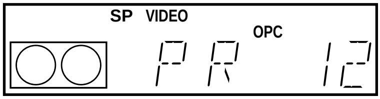
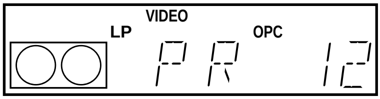
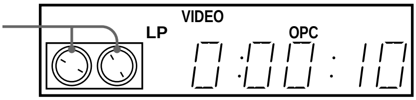
Note

- When you use the One Touch Play function, leave the TV on or in the standby mode.

Recording TV programmes



1 Turn on your TV and set it to the video channel.
To record from a decoder, turn it on.

2		Insert a tape with its safety tab in place.
3	INPUT SELECT 	Press INPUT SELECT until a programme position number appears in the display window. 
4	• PROG 	Press PROG +/– to select the programme position you want to record. 
5	SP / LP 	Press SP / LP to select the tape speed, SP or LP. LP (Long Play) provides recording time twice as long as SP, however, SP (Standard Play) produces better picture and audio quality. 
6	●REC 	Press ● REC to start recording. The recording indicator lights up red in the display window. **Recording indicator** 

To stop recording

Press ■ STOP.

continued

Basic Operations

To check the remaining time

Press DISPLAY. With the display on, press COUNTER/REMAIN to check the remaining time. Each time you press COUNTER/REMAIN, the time counter and the remaining time appear alternately. The remaining time with the indicator also appears in the display window.



Time counter **Remaining time**

To correctly check the remaining time of the tape, set TAPE LENGTH in the OPTIONS-1 menu according to the tape type you use (see page 71).

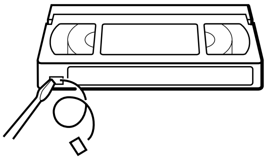
To watch another TV programme while recording

1 Press TV/VIDEO to turn off the VIDEO indicator in the display window.

2 Select another programme position on the TV.

To save a recording

To prevent accidental erasure, break off the safety tab as illustrated. To record on a tape again, cover the tab hole with adhesive tape.



Safety tab

Tips

- To select a programme position, you can use the programme number buttons on the remote commander. For two-digit numbers, press the -/-- (ten's digit) button followed by the programme number buttons.
- You can select a video source from the LINE-1 (TV) or LINE-2 IN (Scart) connector also using the INPUT SELECT button.
- The display appears on the TV screen indicating information about the tape, but the information won't be recorded on the tape.
- If you don't want to watch TV while recording, you can turn off the TV. When using a decoder, make sure to leave it on.

Notes

- The display does not appear during still (pause) mode or slow-motion playback.
- The display will not appear while playing an NTSC-recorded tape.
- If a tape has portions recorded in both PAL and NTSC systems, the time counter reading will not be correct. This discrepancy is due to the difference between the counting cycles of the two video systems.
- You cannot watch a PAY-TV / Canal Plus programme while recording another PAY-TV / Canal Plus programme.
- When you insert a non-standard commercially available tape, the remaining time may not be correct.
- The remaining time is intended for rough measurement only.
- About 30 seconds after the tape begins playback, the tape remaining time will be displayed.

continued

Recording what you are watching on the TV (TV Direct Rec)

If you use the SMARTLINK connection, you can easily record what you are watching on the TV (other than tapes being played on the VCR).

1 Insert a tape with its safety tab in place.

2 Press ● REC while you are watching a TV programme or external source.

The VCR automatically turns on, then the TV indicator lights up and the VCR starts recording what you are watching on the TV.

Tips

- The TV indicator appears in the display window after you press ● REC in some situations such as:
  – when you are watching a source connected to the TV's line input, or
  – when the TV tuner preset data for the programme position is different from the data in the VCR tuner preset.
- If there is a tape with its safety tab in place in the VCR, the VCR automatically turns on and starts recording what you are watching on the TV when you press ● REC.
- You can turn the TV Direct Rec function ON and OFF in the OPTIONS-2 menu (see page 72).

Notes

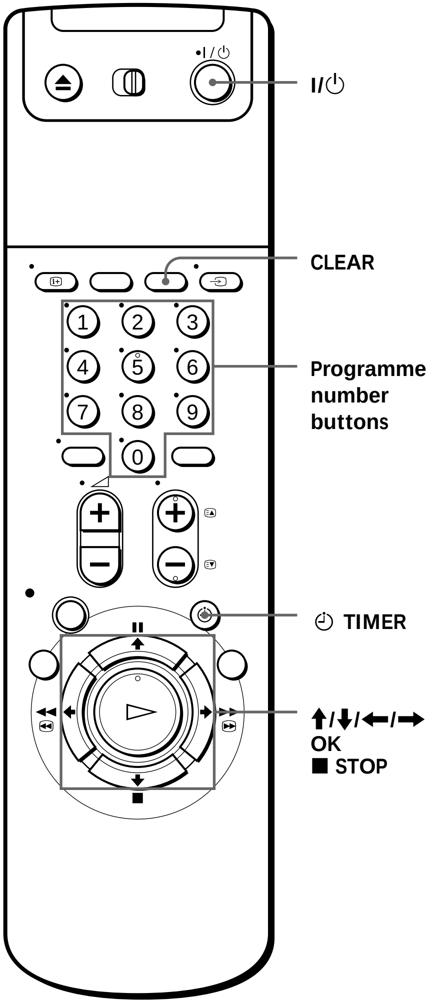
- You cannot record what you are watching using this method when the VCR is in the following modes; pause, timer standby, tuner preset, Auto Set Up, and recording.
- When the TV indicator is lit in the display window, do not turn off the TV nor change the TV programme position. When the TV indicator is not lit, the VCR continues recording the programme even if you change the TV programme position on the TV.

Recording TV programmes using the ShowView system

The ShowView system is the feature that simplifies programming the VCR to make timer recording. Just enter the ShowView number listed in the TV programme guide. The date, times, and programme position of that programme are set automatically. You can preset up to eight programmes at a time.

Before you start…

- Check that the VCR clock is set to the correct time and date.
- Insert a tape with its safety tab in place. Make sure the tape is longer than the total recording time.
- Turn on your TV and set it to the video channel.
- Set TIMER OPTIONS to SHOWVIEW or VARIABLE in the OPTIONS-2 menu (see page 72).



continued

Basic Operations

1

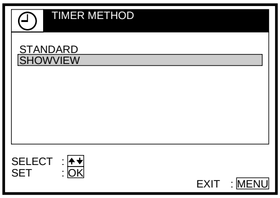
TIMER



Press ⏲ TIMER.

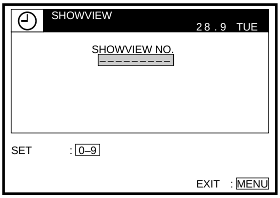
- When you set TIMER OPTIONS to VARIABLE

  The TIMER METHOD menu appears on the TV screen. Press ↑/↓ to select SHOWVIEW, then press OK.

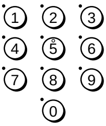


- When you set TIMER OPTIONS to SHOWVIEW

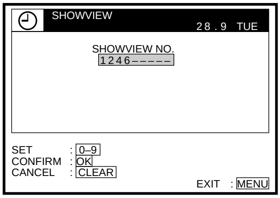
  The SHOWVIEW menu appears on the TV screen.



2



Press the programme number buttons to enter the ShowView number.

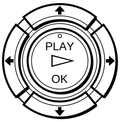


CLEAR

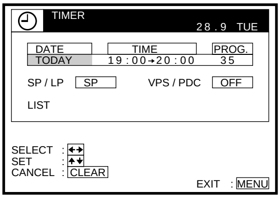


If you make a mistake, press CLEAR and re-enter the correct number.

3



Press OK.



The date, start and stop times, programme position, tape speed, and VPS / PDC setting appear on the TV screen.

- If "--" appears in the "PROG." (programme) column (this may happen for local broadcasts), you have to set the appropriate programme position manually.

  Press ↑/↓ to select the desired programme position.

  To record from a decoder or other source connected to the LINE-1 (TV) or LINE-2 IN (Scart) connector, press INPUT SELECT to display "L1" or "L2."

  You will only have to do this operation once for the referred channel. The VCR will then store your setting.

- When you have selected A (Austria), CH (Switzerland), or D (Germany) with the country selection in the Auto Set Up procedure, the VPS / PDC function is automatically set to ON.

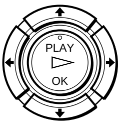
  For details of the VPS / PDC function, see "Timer recording with VPS / PDC signals" on page 52.

CLEAR

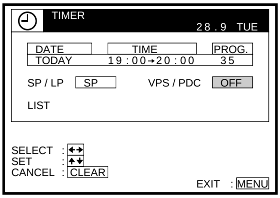


If the information is incorrect, press CLEAR to cancel the setting.

4



If you want to change the date, tape speed, and the VPS / PDC function setting:



1 Press ←/→ to highlight the item you want to change.

2 Press ↑/↓ to reset it.

- To record the same programme every day or the same day every week, see "Daily / weekly recording" on page 52.
- To use the VPS / PDC function, set VPS / PDC to ON.

continued

5 MENU

Press MENU to exit the menu.

6 •I/⏻

Press I/⏻ to turn off the VCR.

The ⏲ indicator appears in the display window and the VCR stands by for recording.

To stop recording

To stop the VCR while recording, press ■ STOP.

Daily/weekly recording

In step 4 above, press ⬇ to select the recording pattern. Each time you press ⬇, the indication changes as shown below. Press ⬆ to change the indication in reverse order.

TODAY → SUN-SAT (Sunday to Saturday) → MON-SAT (Monday to Saturday) → MON-FRI (Monday to Friday) → SAT (every Saturday) ..... → MON (every Monday) → SUN (every Sunday) → 1 month later → (dates count down) → TOMORROW → TODAY

Timer recording with VPS/PDC signals

Some broadcast systems transmit VPS (Video Programme System) or PDC (Programme Delivery Control) signals with their TV programmes. These signals ensure that your timer recordings are made regardless of broadcast delays, early starts, or broadcast interruptions (with the VPS or PDC indicator in the display window lit).

To use the VPS/PDC function, set VPS/PDC to ON in step 4 above. You can also use the VPS/PDC function for a source connected to the LINE-1 (TV) and LINE-2 IN (Scart) connectors.

To record satellite broadcasts

If you connect the satellite tuner and the VCR, you can record satellite programmes.

1 Turn on the satellite tuner.

2 On the satellite tuner, select the satellite programme for which you want to make a timer setting.

3 Keep the satellite tuner turned on until the VCR finishes recording the satellite programme for which you have made a timer setting.

To use the VCR after setting the timer

To use the VCR before a timer recording begins, just press I/⏻. The ⏲ indicator turns off and the VCR switches on. Remember to press I/⏻ to reset the VCR after using the VCR.

You can also do the following tasks while the VCR is recording:

- Reset the counter.
- Display tape information on the TV screen.
- Check the timer settings.
- Watch another TV programme.

Tips

- To set the programme position with a two digit number, press -/-- (ten's digit) button followed by the programme number button.
- To set the programme position, you can also use the PROG +/– or programme number buttons.
- To set the tape speed, you can also use the SP/LP button.
- When you are recording a programme in the SP mode and the remaining tape becomes shorter than the recording time, the tape speed is automatically changed to the LP mode. Note that some interference will appear on the picture at the point the tape speed is changed. If you want to keep the same tape speed, set AUTO LONG PLAY to OFF in the OPTIONS-1 menu (page 71).
- To check, change, or cancel the programme setting, press ⬅/➡ to choose LIST, then press OK after step 4. For details, see step 3 in "Checking/changing/cancelling timer settings" (page 60).

Notes

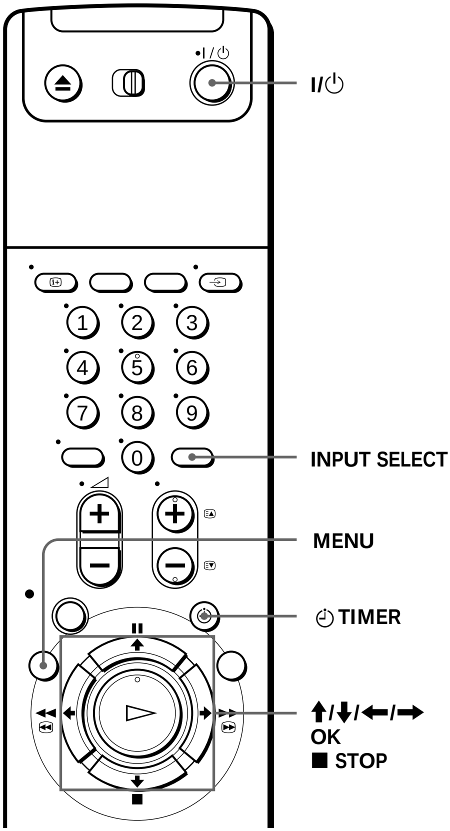
- If the VPS/PDC signal is too weak or the broadcasting station failed to transmit VPS/PDC signals, the VCR will start recording at the set time without using the VPS/PDC function.
- The ⏲ indicator flashes in the display window when you press I/⏻ with no tape inserted.
- When you set TIMER OPTIONS to STANDARD in the OPTIONS-2 menu, the SHOWVIEW menu does not appear on the TV screen. Select SHOWVIEW or VARIABLE.

Setting the timer manually

If the ShowView system is not available in your area, follow the instructions below to set the timer to record programmes.

Before you start…

- Check that the VCR clock is set to the correct time and date.
- Insert a tape with its safety tab in place. Make sure the tape is longer than the total recording time.
- To record from a decoder, turn it on.
- Turn on your TV and set it to the video channel.
- Set TIMER OPTIONS to STANDARD or VARIABLE in the OPTIONS-2 menu (see page 72).



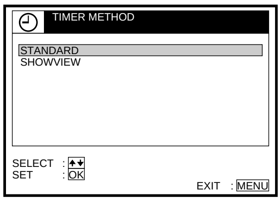
1 TIMER



Press TIMER.

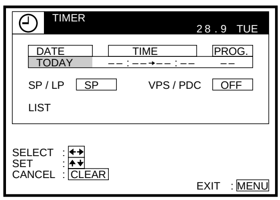
- When you set TIMER OPTIONS to VARIABLE

  The TIMER METHOD menu appears on the TV screen. Press ↑/↓ to select STANDARD, then press OK.

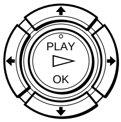


- When you set TIMER OPTIONS to STANDARD

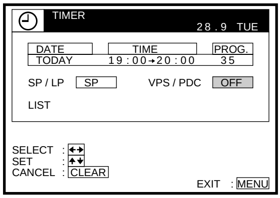
  The TIMER menu appears on the TV screen.



2



Set the date, start and stop times, programme position, tape speed, and VPS / PDC function:



1 Press ➡ to highlight each item in turn.

2 Press ⬆/⬇ to set each item.

To correct a setting, press ⬅ to return to that setting and reset.

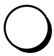
- To record the same programme every day or the same day every week, see “Daily / weekly recording” on page 56.
- To use the VPS / PDC function, set VPS / PDC to ON. For details of the VPS / PDC function, see “Timer recording with VPS / PDC signals” on page 52.
- To record from a decoder or other source connected to the LINE-1 (TV) or LINE-2 IN (Scart) connector, press INPUT SELECT to display “L1” or “L2” in the “PROG.” position.

INPUT SELECT



3

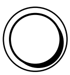
MENU



Press MENU to exit the menu.

4

•I / ⏻



Press I / ⏻ to turn off the VCR.

The ⌚ indicator appears in the display window and the VCR stands by for recording.

To record from a decoder or other source, leave the connected equipment switched on.

To stop recording

To stop the VCR while recording, press ■ STOP.

continued

Daily/weekly recording

In step 2 above, press ↓ to select the recording pattern. Each time you press ↓, the indication changes as shown below. Press ↑ to change the indication in reverse order.

TODAY → SUN-SAT (Sunday to Saturday) → MON-SAT (Monday to Saturday) → MON-FRI (Monday to Friday) → SAT (every Saturday) ..... → MON (every Monday) → SUN (every Sunday) → 1 month later → (dates count down) → TOMORROW → TODAY

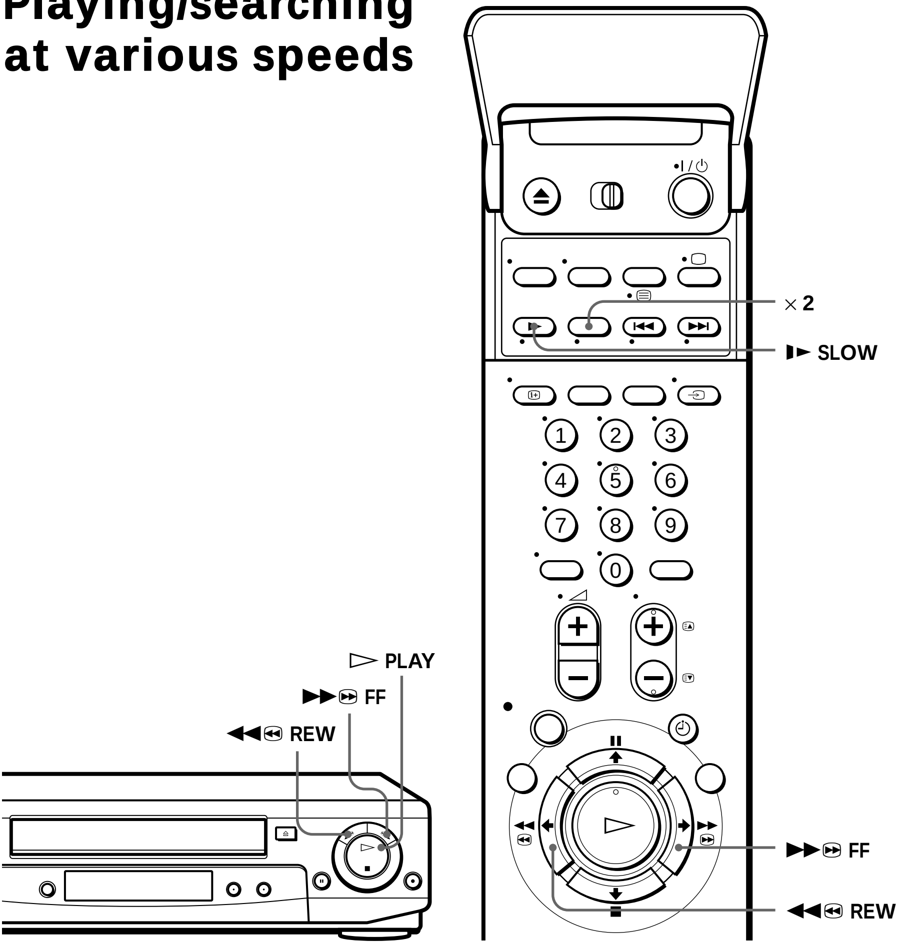
Tips

- To set the programme position, you can also use the PROG +/– or programme number buttons.
- To set the tape speed, you can also use the SP/LP button.
- When you are recording a programme in the SP mode and the remaining tape becomes shorter than the recording time, the tape speed is automatically changed to the LP mode. Note that some interference will appear on the picture at the point the tape speed is changed. If you want to keep the same tape speed, set AUTO LONG PLAY to OFF in the OPTIONS-1 menu (page 71).
- Even if you set TIMER OPTIONS to SHOWVIEW in the OPTIONS-2 menu, you can set the timer manually. Press MENU to select TIMER, then go to step 2.

Notes

- When setting the timer with VPS/PDC signals, enter the start and stop times exactly as indicated in the TV programme guide, otherwise the VPS/PDC function won’t work.
- If the VPS/PDC signal is too weak or the broadcasting station failed to transmit VPS/PDC signals, the VCR will start recording at the set time without using the VPS/PDC function.
- The ⏲ indicator flashes in the display window when you press I/⏻ with no tape inserted.

Playing/searching at various speeds



Playback options	Operation
View the picture during fast-forward or rewind	During fast-forward, hold down ▶▶ FF. During rewind, hold down ◀◀ REW.
Play at high speed	• During playback, press ▶▶ FF or ◀◀ REW <u>on the remote commander</u>. • During playback, hold down ▶▶ FF or ◀◀ REW. When you release the button, normal playback resumes.

continued

Playback options	Operation
Play at twice the normal speed	During playback, press × 2.
Play in slow motion	During playback, press ▮► SLOW.
Play frame by frame	During pause, press ►► FF or ◄◄ REW on the remote commander. Hold down ►► FF or ◄◄ REW to play one frame each second.
Rewind and start play	During stop, press ▷ PLAY on the VCR while holding down ◄◄ REW on the VCR.

To resume normal playback

Press ▷ PLAY.

Tip

- Adjust the picture using the TRACKING +/– buttons if:
  - Streaks appear while playing in slow motion.
  - Bands appear at the top or bottom while pausing.
  - The picture shakes while pausing.

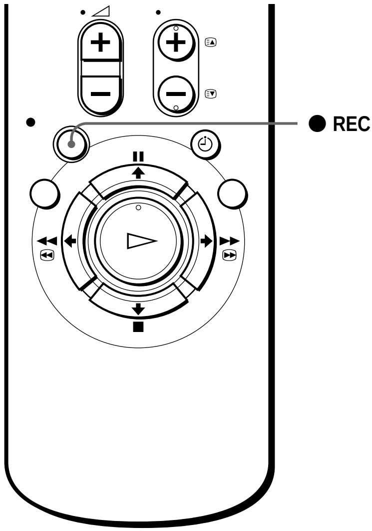
  To set tracking to the centre position, press both buttons (+/–) at the same time.

Notes

- The sound is muted during these operations.
- In the LP mode, noise may appear or there may be no colour.

Setting the recording duration time

After starting recording in the normal way, you can have the VCR stop recording automatically after a specified duration.



1 While recording, press ● REC.

The ◴ indicator appears in the display window.



2 Press ● REC repeatedly to set the duration.

Each press advances the time in increments of 30 minutes.

→ 0:30 → 1:00 ----→ 5:30 → 6:00 → Normal recording

The tape counter decreases minute by minute to 0:00, then the VCR stops recording and turns off automatically.

To extend the duration

Press ● REC repeatedly to set a new duration.

To cancel the duration

Press ● REC repeatedly until the ◴ indicator disappears and the VCR returns to normal recording mode.

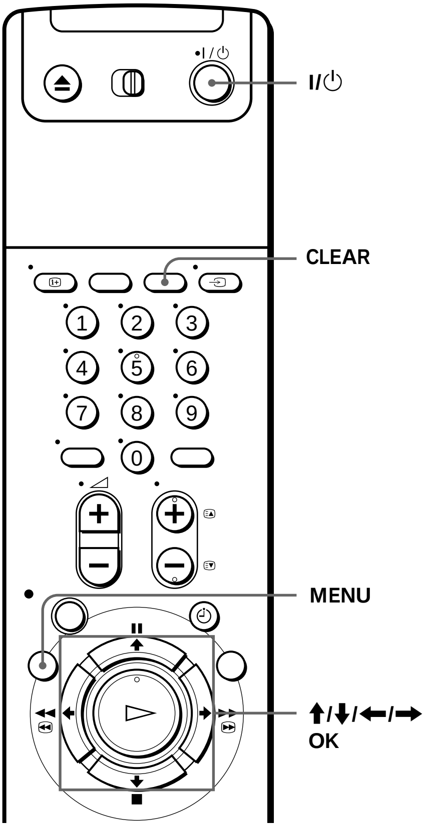
To stop recording

To stop the VCR while recording, press ■ STOP.

Note

- You cannot display the current tape time in the display window when setting the recording duration.

Checking/ changing/ cancelling timer settings



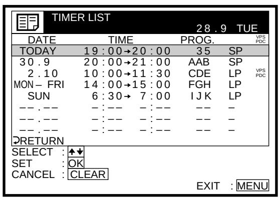
Before you start…

- Turn on your TV and set it to the video channel.

1 Press I/⏻ to turn on the VCR.

2 Press MENU, then press ↑/↓ to highlight LISTS and press OK.

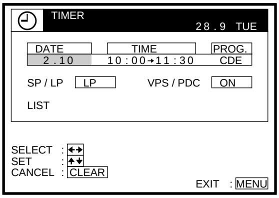
3 Press ↑/↓ to highlight TIMER LIST, then press OK:



- If you want to change or cancel a setting, go on to the next step.
- If you do not need to change or cancel the settings, press MENU, then turn off the VCR to return to recording standby.

4 Press ⬆/⬇ to select the setting you want to change or cancel, then press OK.

The selected setting appears in the TIMER menu.



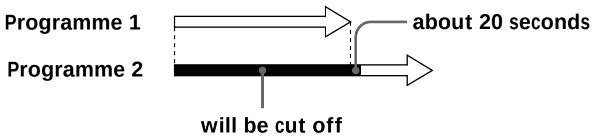
5
- To change the setting, press ⬅/➡ to highlight the item you want to change, and press ⬆/⬇ to reset it.
- To cancel the setting, press CLEAR.

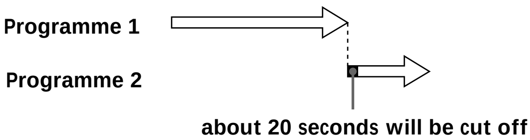
6 Press MENU.

If any settings remain, turn off the VCR to return to recording standby.

When the timer settings overlap

The programme that starts first has priority and the second programme starts recording only after the first programme has finished. If the programmes start at the same time, the programme listed first in the menu has priority.





Recording stereo and bilingual programmes

In ZWEITON (German stereo) system

This VCR automatically receives and records stereo and bilingual programmes based on the ZWEITON system. When a stereo or bilingual programme is received, the STEREO indicator appears in the display window.

To select bilingual sound while recording

Press AUDIO MONITOR to select the sound you want.

To listen to	On-screen display	Display window
Main	MAIN	STEREO
Sub	SUB	STEREO
Main and sub	MAIN / SUB	STEREO

In NICAM system (SLV-SE70NP1/SE70NP2 only)

This VCR receives and records stereo and bilingual programmes based on the NICAM system (the NICAM indicator appears). When a stereo or bilingual programme is received, the STEREO indicator appears in the display window.

To record a NICAM programme, HIFI AUDIO in the OPTIONS-1 menu should be set to NICAM (initial setting). To check the menu setting, see page 71 for details.

To select the sound while recording

Press AUDIO MONITOR to select the sound you want.

Stereo programme

To listen to	On-screen display	Display window
Stereo	STEREO	STEREO
Standard sound*	No indicator	No indicator

* Usually the mixed sound of left and right channels (monaural)

Bilingual programme

To listen to	On-screen display	Display window
Main	MAIN	STEREO
Sub	SUB	STEREO
Main and sub	MAIN / SUB	STEREO
Standard sound*	No indicator	No indicator

* Usually the main sound (monaural)

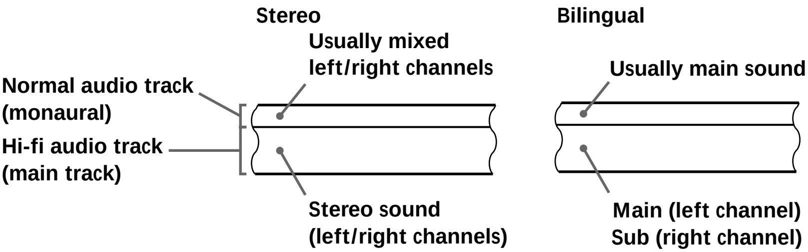
Selecting the sound during playback

Press AUDIO MONITOR to select the sound you want.

To listen to	On-screen display	Display window
Stereo / main and sub (left and right channels)	STEREO	STEREO
Left channel / main	LCH	STEREO
Right channel / sub	RCH	STEREO
Standard sound	No indicator	No indicator

How sound is recorded on a video tape

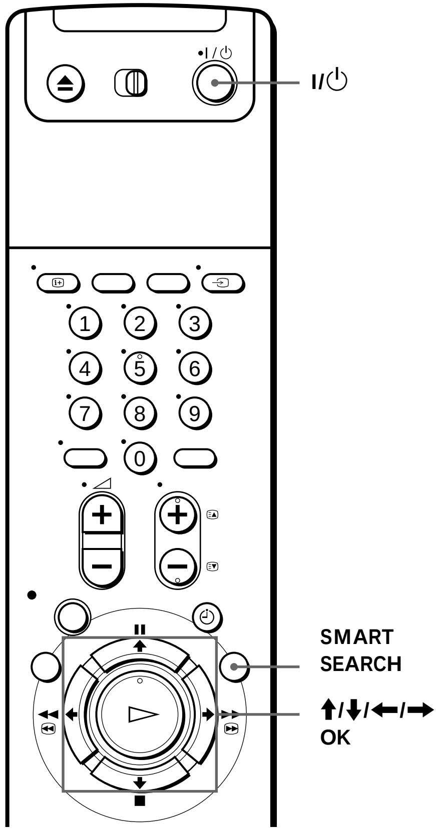
The VCR records sound onto two separate tracks. Hi-fi audio is recorded onto the main track along with the picture. Monaural sound is recorded onto the normal audio track along the edge of the tape.



Notes

- To listen to playback sounds in stereo, you must use the EURO-AV or AUDIO OUT connections.
- When you play a tape recorded in monaural, the sound is heard in monaural regardless of the AUDIO MONITOR setting.
- If the AUDIO MONITOR button does not function, check that AUDIO MIX in the OPTIONS-1 menu is set to OFF (see page 71).
- If HIFI AUDIO is set to STANDARD, the standard sound will be recorded on both the hi-fi and normal audio tracks. Pressing AUDIO MONITOR will not change the sound (SLV-SE70NP1 / SE70NP2 only).

Searching using the Smart Search function



If you record multiple programmes on a tape, use the Smart Search function to see what has been recorded on your tape. You can see information such as date, time, and channel of programmes recorded on a tape. You can also start playback directly from the selected programme using the SMART SEARCH screen.

All programmes are listed on the screen, regardless of how the programme was recorded.

The data of the last tape inserted into the VCR is automatically stored in memory. If you want to recall the latest data screen, select LATEST DATA in the SMART SEARCH screen (see page 65).

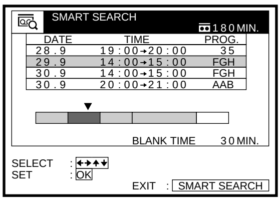
Before you start…

- Turn on your TV and set it to the video channel.

1 After recording, press I/⏻ to turn on the VCR.

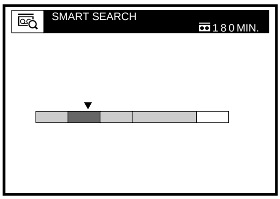
2 Press SMART SEARCH.

3 Press ↑/↓/←/→ to select the programme you want to start viewing.



4 Press OK.

The VCR starts searching, and playback starts automatically from the beginning of the selected programme.



To stop searching

Press ■ STOP.

To exit the SMART SEARCH screen

Press SMART SEARCH.

To record in a blank space

Blank space on the tape will appear as a blank row in the SMART SEARCH screen. Select the blank row in step 3, then press OK. The VCR rewinds/ fast-forwards the tape to the beginning of the blank space, then stops. Start recording.

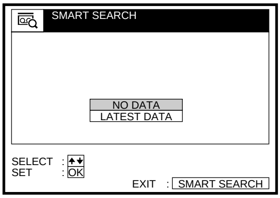
To recall the latest data screen after you remove the tape

You can display the data of the last tape used to record a programme, even after you have removed the tape.

If you reinsert the tape and record additional programmes, be sure to select LATEST DATA. Otherwise, all of the data for the tape is deleted.

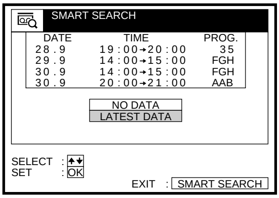
1 Reinsert the last tape that you used to record a programme.

2 Press SMART SEARCH.



3 Press ⬆/⬇ to highlight LATEST DATA.

If you want to reset the latest data screen, highlight NO DATA and press OK, then record a programme.



4 Press OK.

The latest data stored in the VCR's memory is displayed.

continued

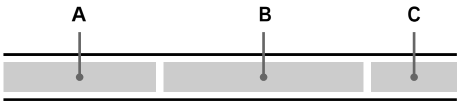
Tips

- You can store information for up to 24 programmes on a single list.
- While recording, you can display the SMART SEARCH screen using the SMART SEARCH button. If you decide to stop recording, press SMART SEARCH to make the SMART SEARCH screen disappear first. Then press ■ STOP.

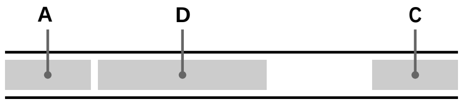
Notes

- If you begin recording a programme “D” from the middle of a previously recorded programme “A” and into another previously recorded programme “B,” the Smart Search information for the second programme “B” which is recorded over is deleted.

Originally recorded programmes



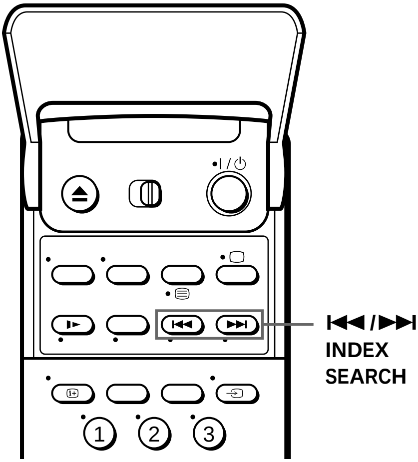
Recording the programme “D” over the programme “A” and “B”



- You cannot use this function unless the clock is set.
- Depending on the tape, the total or remaining time may not appear correctly.
- When recording a short programme (less than 10 minutes in SP mode, or 20 minutes in LP mode), the Smart Search function may not be available or the programme information may not appear. Also, if you record a long programme directly after a short programme, the Smart Search information for the short programme may be deleted.
- Blank space is measured from the end of the last recorded programme to the end of the tape. However, if you eject the tape then make a new recording on the same tape, the original recorded programme(s) is displayed as a blank space.
- If no information is stored in the VCR’s memory, LATEST DATA does not appear in the SMART SEARCH screen.

Searching using the index function

The VCR marks the tape with an index signal at the point where each recording begins. Use these signals as references to find a specific recording.



1 Insert an indexed tape into the VCR.

2 Press ⏮ / ⏭ INDEX SEARCH.

- To search ahead, press ⏭ INDEX SEARCH.
- To search backwards, press ⏮ INDEX SEARCH.

The VCR starts searching, and playback starts automatically from that point.



To stop searching

Press ■ STOP.

Note

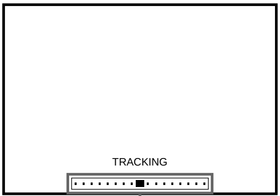
- No index signal will be added when recording starts from recording pause. However, an index signal will be marked if you change the programme position during recording pause.

Adjusting the picture

Adjusting the tracking

Although the VCR automatically adjusts the tracking when playing a tape (the indicator flashes in the display window, then goes off), distortion may occur if the tape was recorded in poor condition. In this case, manually adjust the tracking.

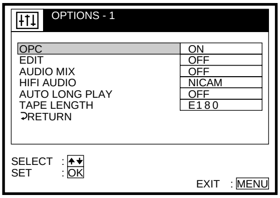
During playback, press TRACKING +/– to display the tracking meter. The distortion should disappear as you press one of the two buttons (the indicator lights up). To resume automatic tracking adjustments, eject the tape and re-insert it.



Tracking meter

About the Optimum Picture Control (OPC) function

The Optimum Picture Control (OPC) function automatically improves recording and playback quality by adjusting the VCR to the condition of the video heads and tape. To maintain better picture quality, we recommend that you set OPC to ON in the OPTIONS-1 menu (with the OPC indicator in the display window lit). For details, see page 71.



OPC playback

The OPC function automatically works on all types of tapes, including rental tapes and tapes that were not recorded with OPC.

OPC recording

Whenever you insert a tape and start recording for the first time, the VCR adjusts to the tape using the OPC function (the OPC indicator flashes rapidly). This adjustment is retained until the tape is ejected.

To deactivate the OPC function

Set OPC to OFF in the OPTIONS-1 menu. The OPC indicator in the display window goes off.

Tip

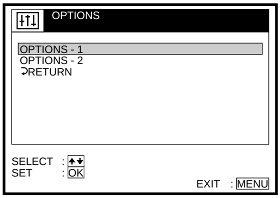
- To set tracking to the centre position, press the TRACKING + and – buttons at the same time.

Notes

- You can adjust the tracking for the NTSC-recorded tape but the tracking meter won't be displayed.
- With the Auto Long Play function on, the OPC function will work only in SP mode. If the tape speed automatically switches from SP to LP, the OPC function turns off. If, however, the entire programme is recorded in LP mode, the OPC function will work.
- There is a delay of about ten seconds before the VCR actually starts recording while the VCR analyses the tape. To avoid the delay, first set the VCR to recording pause (the OPC indicator flashes slowly) and press ● REC to have the VCR analyse the tape (the OPC indicator flashes rapidly). After the OPC indicator stops flashing, press ❚❚ PAUSE to start recording immediately. If you want to start recording quickly without using the OPC function, first set the VCR to recording pause (the OPC indicator flashes slowly) and press ❚❚ PAUSE to start recording.

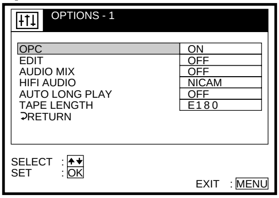
Changing menu options

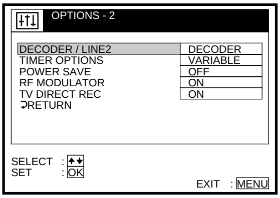
1 Press MENU, then select OPTIONS and press OK.



2 Press ↑/↓ to highlight OPTIONS-1 or OPTIONS-2, then press OK.

Example: SLV-SE70NP1/SE70NP2





3 Press ↑/↓ to select the option, then press OK.

4 Press ↑/↓ to change the setting, then press OK.

5 Press MENU to return to the original screen.

Menu choices

Initial settings are indicated in bold print.

OPTIONS-1

Menu option	Set this option to
OPC	• **ON** to switch on the OPC (Optimum Picture Control) function and improve picture quality. • OFF to switch off OPC.
EDIT	• ON to minimize picture deterioration when editing. • **OFF** to turn off EDIT.
AUDIO MIX	• ON to listen to the hi-fi and normal audio tracks at the same time. The AUDIO MONITOR button will not function. • **OFF** to listen to the hi-fi and normal audio tracks separately. Select the sound using the AUDIO MONITOR button. For details, see page 63.
HIFI AUDIO (SLV-SE70NP1/ SE70NP2 only)	• **NICAM** to record NICAM broadcasts on the hi-fi audio track. • STANDARD to record standard sound on the hi-fi audio track. For details, see page 62.
AUTO LONG PLAY	• ON to change the timer recording tape speed automatically to the LP mode when the remaining tape becomes shorter than the recording time. • **OFF** to keep the set tape speed.
TAPE LENGTH	• **E180** to use an E-180 or shorter type tape. • E195 to use an E-195 type tape. • E240 to use an E-240 type tape. • E300 to use an E-300 type tape.

continued

OPTIONS-2

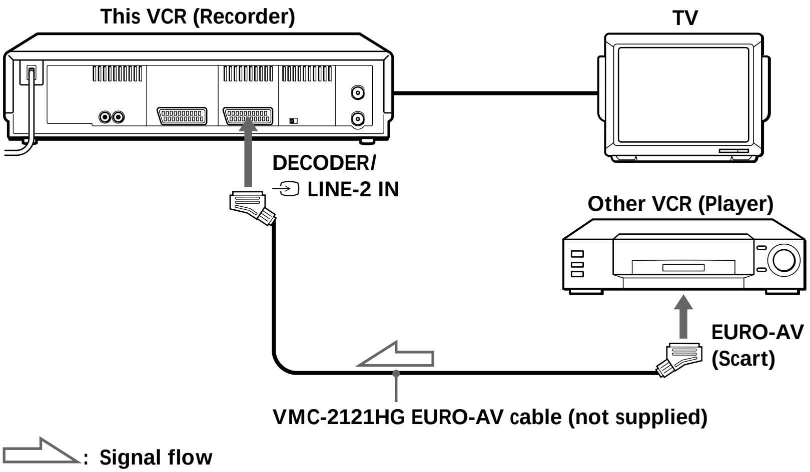
Menu option	Set this option to
DECODER/LINE2	• **DECODER** to use the DECODER/LINE-2 IN connector as the PAY-TV/Canal Plus decoder connector. • LINE2 to use the DECODER/LINE-2 IN connector as the line input connector.
TIMER OPTIONS	• **VARIABLE** to display the TIMER METHOD menu for selecting STANDARD or SHOWVIEW when pressing ⏲ TIMER button. • STANDARD to display the TIMER menu when pressing the ⏲ TIMER button. • SHOWVIEW to display the SHOWVIEW menu when pressing the ⏲ TIMER button. For details, see pages 49 and 54.
POWER SAVE	• ON to turn off the indicators in the display window to conserve the VCR power. • **OFF** to turn on the indicators in the display window while the VCR is standing by.
RF MODULATOR	• **ON** if you connect the VCR to your TV using only the aerial cable. • OFF if you connect the VCR to your TV using the EURO-AV cable.
TV DIRECT REC	• **ON** to activate the TV Direct Rec function. • OFF to deactivate it.

Notes

- When you set a timer recording, the indicators in the display window remain on, even though POWER SAVE is set to ON.
- With the EDIT option ON, the OPC function does not work.

Editing with another VCR

How to connect to record on this VCR



Tip

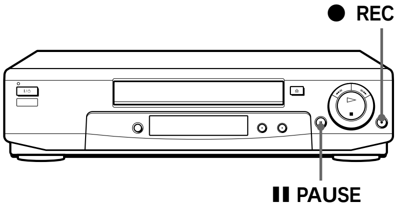
- You can also use the LINE-1 (TV) connector instead.

Notes

- When you connect another VCR to the LINE-2 IN (Scart) connector, set DECODER / LINE2 to LINE2 in the OPTIONS-2 menu.
- If the other VCR doesn't have a EURO-AV (Scart) connector, use the VMC-2106HG cable instead and connect the cable to the line out jacks of the other VCR.

continued

Operation (when recording on this VCR)



Before you start editing

- Turn on your TV and set it to the video channel.
- Press INPUT SELECT to display “L2” (or “L1”) in the display window.
- Press SP / LP to select the tape speed, SP or LP.
- On this VCR, set EDIT to ON in the OPTIONS-1 menu. If the other VCR has a similar function, turn it on also.

1. Insert a source tape with its safety tab removed into the other (playback) VCR. Search for the point to start playback and set it to playback pause.
2. Insert a tape with its safety tab in place into this (recording) VCR. Search for the point to start recording and press ❚❚ PAUSE.
3. Press ● REC on this VCR to set it to recording pause.
4. To start editing, press the ❚❚ PAUSE buttons on both VCRs at the same time.

To stop editing

Press the ■ STOP buttons on both VCRs.

Tip

- To cut out unwanted scenes while editing, press ❚❚ PAUSE on this VCR when an unwanted scene begins. When it ends, press ❚❚ PAUSE again to resume recording.

Note

- If you start editing following the procedure above, the VCR won’t start recording with the OPC function. To record a tape with the OPC function, press ● REC again during recording pause in step 3 so the VCR analyses the tape. Then, when you start editing in step 4, press ❚❚ PAUSE after the OPC indicator stops flashing. If you press ❚❚ PAUSE before the OPC indicator stops flashing, the OPC function is cancelled.

Troubleshooting

If you have any questions or problems not covered below, please consult your nearest Sony service facility.

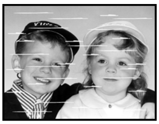
	Symptom	Remedy
Power	The I/⏻ ON/STANDBY switch does not function.	• Connect the mains lead to the mains securely.
Power	The power is turned on but the VCR does not operate.	• Moisture condensation occurs. Turn the power off, unplug the mains lead and leave the VCR to dry for over three hours.
Clock	The clock has stopped and "–:– –" lights in the display window.	• The clock stops if the VCR is disconnected from the mains for more than one hour. Reset the clock (and timer).
Playback	The playback picture does not appear on the TV screen.	• Make sure the TV is set to the video channel. If you are using a monitor, set it to video input. • If the VCR is connected to the TV only with the aerial cable, make sure that RF MODULATOR in the OPTIONS-2 menu is set to ON.
Playback	The picture is not clear.	• Adjust the tracking with the TRACKING +/– buttons. • The video heads are dirty (see below). Clean the video heads using the Sony T-25CLD, E-25CLDR, or T-25CLW video head cleaning cassette. If these cleaning cassettes are not available in your area, have the heads cleaned at your nearest Sony service facility (a standard service charge will be required). Do not use a commercially available liquid type cleaning cassette other than Sony's, as it may damage the video heads. • The video heads may have to be replaced. Consult your local Sony service facility for more information.

Symptoms caused by contaminated video heads

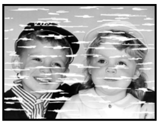
• **Normal picture**



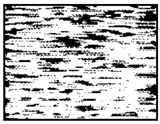
• **Rough picture**



• **Unclear picture**



• **No picture (or black & white screen appears)**



initial contamination → **terminal**

continued

	Symptom	Remedy
Playback	The picture rolls vertically during picture search.	• Adjust the vertical hold control on the TV or monitor.
Playback	The picture has no sound.	• The tape is defective. • If you made A/V connections, check the audio cable connection.
Playback	The sound is unstable or has an echo.	• When you play a tape with the same sound recorded on both the hi-fi and normal sound tracks, make sure AUDIO MIX in the OPTIONS-1 menu is set to OFF.
Recording	No TV programme appears on the TV screen.	• Make sure the TV is set to the video channel. If you are using a monitor, set it to video input. • If the VCR is connected to the TV using only the aerial cable, make sure that RF MODULATOR in the OPTIONS-2 menu is set to ON. • Select the correct source with the INPUT SELECT button. Select a programme position when recording TV programmes; select "L1" or "L2" when recording from other equipment.
Recording	TV reception is poor.	• Adjust the TV aerial.
Recording	The tape starts playing as soon as it is inserted.	• The safety tab has been removed. To record on this tape, cover the tab hole.
Recording	The tape is ejected when you press ● REC.	• Check that the safety tab has not been removed.
Recording	Nothing happens when you press ● REC.	• Make sure the tape is not at its end.
Timer recording	The timer does not operate.	• Check that the clock is set. • Make sure a tape has been inserted. • Check that the safety tab has not been removed. • Make sure the tape is not at its end. • Make sure a programme has been set for timer recording. • Make sure your timer settings have not already passed the current time. • Check that the decoder is turned on. • Check that the satellite tuner is turned on. • The clock stops if the VCR is disconnected from the mains for more than one hour. Reset the clock and timer.
Timer recording	The SHOWVIEW menu or the TIMER menu does not appear.	• Check that TIMER OPTIONS in the OPTIONS-2 menu is set correctly.

Others

Symptom	Remedy
A tape cannot be inserted.	• Check that a tape isn't already in the tape compartment.
The remote commander does not function.	• Make sure you are pointing the remote commander at the remote sensor on the VCR. • Replace all the batteries in the remote commander with new ones if they are weak. • Make sure the TV / VIDEO remote control switch is set correctly.
You cannot watch or record PAY-TV / Canal Plus programmes.	• Check that the decoder is connected correctly. • Check that the OPTIONS-2 menu and the TUNER menu are set correctly. For details, see page 36.
"L2" does not appear in the display window.	• Check that DECODER / LINE2 in the OPTION-2 menu is set to LINE2.
The SMARTLINK function does not work.	• Check that your TV complies with SMARTLINK, MEGALOGIC, EASYLINK, Q-Link, or EURO VIEW LINK. • Make sure you use the optional EURO-AV cable to connect the VCR and your TV. • Make sure the EURO-AV cable is connected securely.
The tracking meter does not appear on the TV screen.	• The recording condition of the tape is very poor and tracking cannot be adjusted. • The tracking meter does not appear when playing back an NTSC-recorded tape.
You cannot control other TVs.	• Set your TV's code number. The code number may change when you replace the batteries of the remote commander.
The VCR needs to be cleaned.	• Clean the cabinet, panel and controls with a dry, soft cloth, or a soft cloth slightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzine.

Specifications

System

Channel coverage
PAL (B / G)
VHF E2 to E12
VHF Italian channel A to H
UHF E21 to E69
CATV S01 to S05, S1 to S20
HYPER S21 to S41

RF output signal
UHF channels 21 to 69

Aerial out
75-ohm asymmetrical aerial socket

Inputs and outputs

⇨ LINE-1 (TV)
21-pin
Video input: pin 20
Audio input: pins 2 and 6
Video output: pin 19
Audio output: pins 1 and 3

DECODER / ⇦ LINE-2 IN
21-pin
Video input: pin 20
Audio input: pins 2 and 6

AUDIO OUT
Phono jack (2)
Rated output level: 327 mVrms
Load impedance: 47 kilohms
Output impedance: less than 10 kilohms

General

Power requirements
220 – 240 V AC, 50 Hz

Power consumption
22 W

Operating temperature
5°C to 40°C

Storage temperature
–20°C to 60°C

Dimensions
Approx. 430 × 100 × 314 mm (w / h / d)
including projecting parts and controls

Mass
Approx. 4.5 kg

Supplied accessories

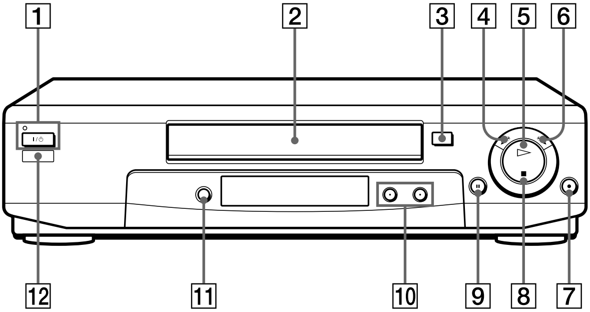
Remote commander (1)
R6 (size AA) batteries (2)
Aerial cable (1)

Design and specifications are subject to change without notice.

Index to parts and controls

Refer to the pages indicated in parentheses ( ) for details.

Front panel



1 I/⏻ ON/STANDBY switch/ indicator (14)

2 Tape compartment

3 ⏏ EJECT button (42)

4 ◀◀ REW (rewind) button (42, 57)

5 ▷ PLAY button (42, 58)

6 ▶▶ FF (fast-forward) button (42, 57)

7 ● REC (record) button (45, 59, 74)

8 ■ STOP button (42, 74)

9 ❚❚ PAUSE button (42, 74)

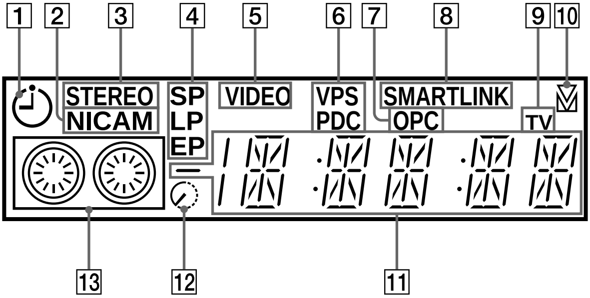
10 PROGRAM/TRACKING +/– buttons (17, 58, 68)

11 AUTO SET UP/ RF (Radio Frequency) CHANNEL button (14, 16)

12 Remote sensor (5)

continued

Display window



1 Timer indicator (52, 55)

2 NICAM indicator (SLV-SE70NP1 / SE70NP2 only) (62)

3 STEREO indicator (62)

4 Tape speed indicators (45)

5 VIDEO indicator (11, 46)

6 VPS (Video Programme System) / PDC (Programme Delivery Control) indicator (52)

7 OPC (Optimum Picture Control) indicator (68)

8 SMARTLINK indicator (11)

9 TV indicator (48)

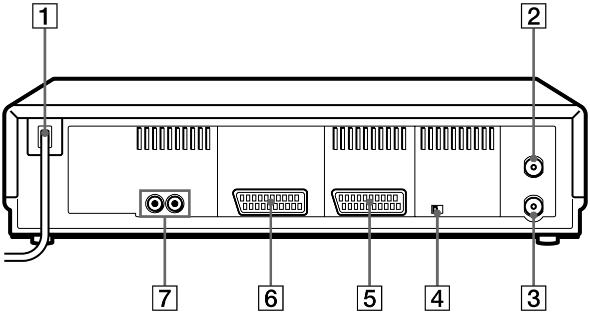
10 Tracking indicator (68)

11 Time counter / clock / line / programme position indicator (42, 45, 74)

12 Remaining time indicator (46)

13 Tape / recording indicator (45)

Rear panel



1 Mains lead (9, 10)

2 AERIAL IN
ANTENNE ENTREE connector (9, 10)

3 AERIAL OUT
ANTENNE SORTIE connector (9, 10)

4 NTSC PB (Play Back) switch (42)

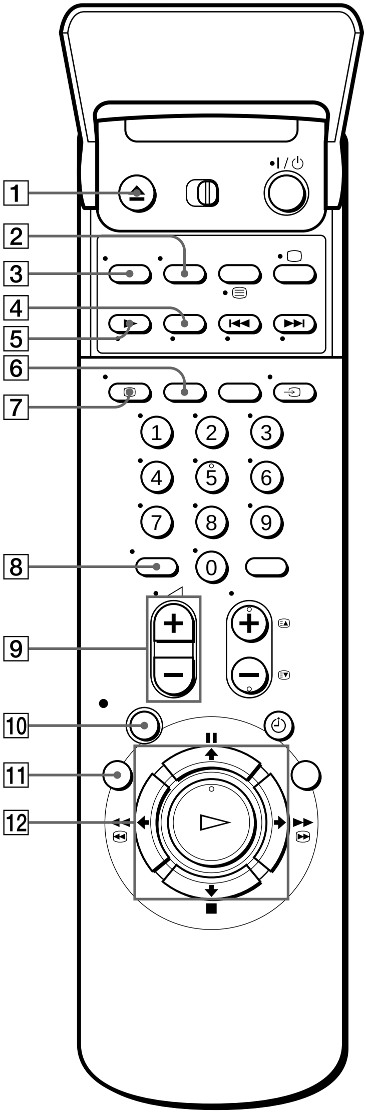
5 DECODER/⇥ LINE-2 IN
DECODEUR/⇥ ENTREE LIGNE-2 connector (13, 36, 73)

6 ⇤ LINE-1 (TV)
⇤ LIGNE-1 (TV) connector (11, 36)

7 AUDIO OUT R (right)/L (left)
SORTIE AUDIO D/G jacks (13)

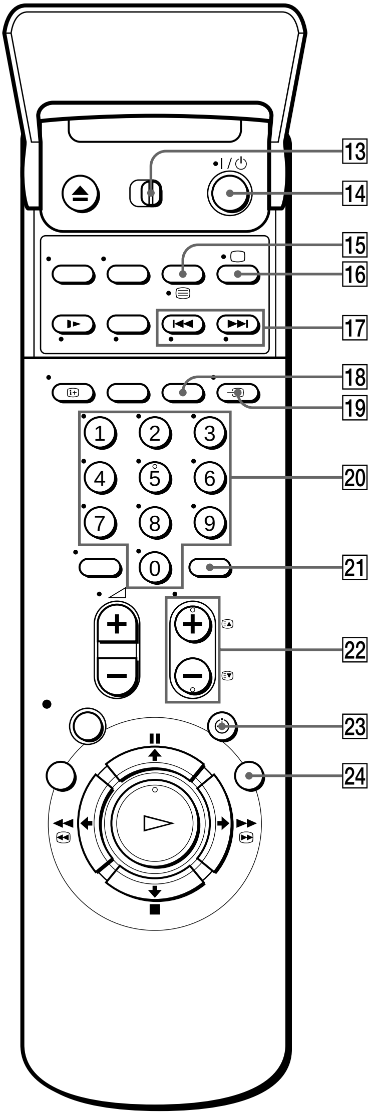
continued

Remote commander



1. ⏏ EJECT button (42)
2. WIDE button (*for TV*) (7)
3. AUDIO MONITOR button (62)
4. ×2 button* (58)
5. ▮▶ SLOW button* (58)
6. SP (Standard Play) / LP (Long Play) button (45)
7. ⓘ DISPLAY button (46)
8. -/-- (ten's digit) button (6, 47)
9. ◿ (volume) + / – buttons *(for TV)* (6)
10. ● REC (record) button (45, 59)
11. MENU button (19, 60)
12. ❚❚ PAUSE / ↑ button (19, 42)
    ■ STOP / ↓ button (19, 42)
    ◀◀ REW (rewind) / ← button (42, 57)
    ▶▶ FF (fast-forward) / → button (42, 57)
    ▷ PLAY / OK button (19, 42)

* FASTEXT buttons (*for TV*)



13 TV / VIDEO remote control switch (5)

14 I/⏻ (on / standby) switch (6, 52)

15 COUNTER / REMAIN button (46)

⊜ (Teletext) button *(for TV)* (7)

16 ▢ TV power on / TV mode select button *(for TV)* (7)

17 ⏮ /⏭ INDEX SEARCH buttons* (67)

18 CLEAR button (42, 50, 61)

19 ⇥ TV / VIDEO button (6, 11, 46)

20 Programme number buttons (6, 47)

21 INPUT SELECT button (45, 55, 74)

22 PROG (programme) + / – buttons (6, 27, 45)

▲/▼ Teletext page access buttons *(for TV)* (7)

23 ⏲ TIMER button (50, 54)

24 SMART SEARCH button (64)

* FASTEXT buttons (*for TV*)

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Sony Corporation Printed in France